HYUNDAI

OWNER'S MANUAL

Operation
Maintenance
Specifications

All information in this Owner's Manual is current at the time of publication. However, HYUNDAI reserves the right to make changes at any time so that our policy of continual product improvement may be carried out.

This manual applies to all HYUNDAI models and includes descriptions and explanations of optional as well as standard equipment. As a result, you may find material in this manual that does not apply to your specific vehicle.

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CAUTION: MODIFICATIONS TO YOUR HYUNDAI

Your HYUNDAI should not be modified in any way. Such modifications may adversely affect the performance, safety or durability of your HYUNDAI and may, in addition, violate conditions of the limited warranties covering the vehicle. Certain modifications may also be in violation of regulations established by the U.S. Department of Transportation and other federal or state agencies.

TWO-WAY RADIO OR CELLULAR TELEPHONE INSTALLATION

Your vehicle is equipped with electronic fuel injection and other electronic components. It is possible for an improperly installed/adjusted two-way radio or cellular telephone to adversely affect electronic systems. For this reason, we recommend that you carefully follow the radio manufacturer's instructions or consult your HYUNDAI dealer for precautionary measures or special instructions if you choose to install one of these devices.

SAFETY AND VEHICLE DAMAGE WARNING

This manual includes information titled as DANGER, WARNING, CAUTION and NOTICE.

These titles indicate the following:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates a situation which, if not avoided, could result in vehicle damage.

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HYUNDAI VEHICLE OWNER PRIVACY POLICY

Your HYUNDAI vehicle may be equipped with technologies and services that use information collected, generated, recorded or stored by the vehicle. HYUNDAI has created a Vehicle Owner Privacy Policy to explain how these technologies and services collect use and share this information.

You may read our Vehicle Owner Privacy Policy on the Hyundaiusa.com website at:
https://www.hyundaiusa.com/owner-privacy-policy.aspx

If you would like to receive a hard copy of our Vehicle Owner Privacy Policy, please contact our Customer Connect Center at:

Hyundai Customer Care
P.O. Box 20850
Fountain Valley, CA 92728
800-633-5151
consumeraffairs@hmausa.com

HYUNDAI's Customer Connect Center representatives are available Monday through Friday, between the hours of 5:00 AM and 7:00 PM PST and Saturday and Sunday between 6:30 AM and 3:00 PM PST (English).

For Customer Connect Center assistance in Spanish or Korean, representatives are available Monday through Friday between 6:30 AM and 3:00 PM PST.

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INTRODUCTION

Congratulations, and thank you for choosing HYUNDAI. We are pleased to welcome you to the growing number of discriminating people who drive HYUNDAIS. We are very proud of the advanced engineering and high-quality construction of each HYUNDAI we build.

Your Owner's Manual will introduce you to the features and operation of your new HYUNDAI. To become familiar with your new HYUNDAI, so that you can fully enjoy it, read this Owner's Manual carefully before driving your new vehicle.

This manual contains important safety information and instructions intended to familiarize you with your vehicle's controls and safety features so you can safely operate your vehicle.

This manual also contains information on maintenance designed to enhance safe operation of the vehicle. It is recommended that all service and maintenance on your car be performed by an authorized HYUNDAI dealer. HYUNDAI dealers are prepared to provide high-quality service, maintenance and any other assistance that may be required.

This Owner's Manual should be considered a permanent part of your vehicle, and should be kept in the vehicle so you can refer to it at any time. The manual should stay with the vehicle if you sell it to provide the next owner with important operating, safety and maintenance information.

HYUNDAI MOTOR AMERICA

⚠ CAUTION

Severe engine and transmission damage may result from the use of poor quality fuels and lubricants that do not meet HYUNDAI specifications. You must always use high quality fuels and lubricants that meet the specifications listed on Page 8-6 in the Vehicle Specifications section of the Owner's Manual.

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GUIDE TO HYUNDAI GENUINE PARTS

1. What are HYUNDAI Genuine Parts?

HYUNDAI Genuine Parts are the same parts used by HYUNDAI Motor Company to manufacture vehicles. They are designed and tested for the optimum safety, performance, and reliability to our customers.

2. Why should you use genuine parts?

HYUNDAI Genuine Parts are engineered and built to meet rigid manufacturing requirements. Damage caused by using imitation, counterfeit or used salvage parts is not covered under the HYUNDAI New Vehicle Limited Warranty or any other HYUNDAI warranty.

In addition, any damage to or failure of HYUNDAI Genuine Parts caused by the installation or failure of an imitation, counterfeit or used salvage part is not covered by any HYUNDAI Warranty.

3. How can you tell if you are purchasing HYUNDAI Genuine Parts?

Look for the HYUNDAI Genuine Parts Logo on the package (see below).

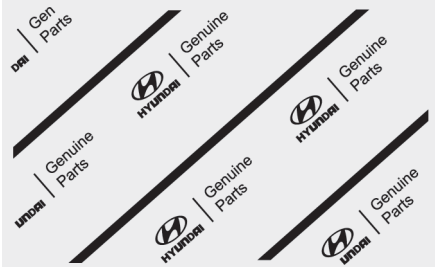
HYUNDAI Genuine Parts exported to the U.S. are packaged with labels written only in English.

HYUNDAI Genuine Parts are only sold through authorized HYUNDAI Dealerships.

HYUNDAI | Genuine Parts







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HOW TO USE THIS MANUAL

We want to help you get the greatest possible driving pleasure from your vehicle. Your Owner's Manual can assist you in many ways. To gain an overview of the contents of your Owner's Manual, use the Table of Contents in the front of the manual. The first page of each Chapter includes a detailed Table of Contents of the Topics in that Chapter.

To quickly locate information about your vehicle, use the Index in the back of the manual. It is an alphabetical list of what is in this manual and the page number where it can be found.

For your convenience, we have incorporated tabs on the right-hand page edges. These tabs are coded with the Chapter titles to assist you with navigating through the manual.

SAFETY MESSAGES

Your safety, and the safety of others, is very important. This Owner's Manual provides you with many safety precautions and operating procedures. This information alerts you to potential hazards that may hurt you or others, as well as damage to your vehicle.

Safety messages found on vehicle labels and in this manual describe these hazards and what to do to avoid or reduce the risks.

Warnings and instructions contained in this manual are for your safety. Failure to follow safety warnings and instructions can lead to serious injury or death.

Throughout this manual DANGER, WARNING, CAUTION, NOTICE and the SAFETY ALERT SYMBOL will be used.

This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death. The safety alert symbol precedes the signal words DANGER, WARNING and CAUTION.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

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WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

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⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates a situation which, if not avoided, could result in vehicle damage.

FUEL REQUIREMENTS

Your new vehicle is designed to obtain maximum performance with UNLEADED FUEL, as well as minimize exhaust emissions and spark plug fouling.

Your new vehicle is designed to use only unleaded fuel having an octane number ((R+M)/2) of 87 (Research Octane Number 91) or higher. (Do not use methanol blended fuels)

NOTICE

To prevent damage to the engine and engine components, never add any fuel system cleaning agents to the fuel tank other than what has been specified.

Consult an authorized HYUNDAI dealer for additional information.

⚠ WARNING

- **Do not "top off" after the nozzle automatically shuts off when refueling.**
- **Always check that the fuel cap is installed securely to prevent fuel spillage in the event of an accident.**

Gasoline containing alcohol or methanol

Gasohol, a mixture of gasoline and ethanol (also known as grain alcohol) are being marketed along with or instead of leaded or unleaded gasoline.

Do not use gasohol containing more than 15% ethanol, and do not use gasoline or gasohol containing any methanol. Either of these fuels may cause drivability problems and damage to the fuel system, engine control system and emission control system.

Discontinue using gasohol of any kind if drivability problems occur.

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"E85" fuel is an alternative fuel comprised of 85 percent ethanol and 15 percent gasoline, and is manufactured exclusively for use in Flexible Fuel Vehicles. "E85" is not compatible with your vehicle. Use of "E85" may result in poor engine performance and damage to your vehicle's engine and fuel system. HYUNDAI recommends that customers do not use fuel with an ethanol content exceeding 15 percent.

NOTICE

To prevent damage to your vehicle's engine and fuel system:

- **Never use gasohol which contains methanol.**
- **Never use gasohol containing more than 15% ethanol.**
- **Never use leaded fuel or leaded gasohol.**
- **Never use "E85" fuel.**

Your New Vehicle Limited Warranty does not cover damage to the fuel system or any performance problems caused by the use of "E85" fuel.

Other fuels

Using fuels such as;

- Silicone (Si) contained fuel,
- Ferrocene (Fe) contained fuel, and
- Other metallic additives contained fuels,

may cause damage to the engine by plugging, misfiring, poor acceleration, engine stalling, catalyst melting, abnormal corrosion, life cycle reduction.

- The Malfunction Indicator Lamp (MIL) may illuminate.

NOTICE

Damage to the fuel system or performance problem caused by the use of these fuels may not be covered by your New Vehicle Limited Warranty.

Gasoline containing MMT

Some gasoline contains harmful manganese-based fuel additives such as MMT (Methylcyclopentadienyl Manganese Tricarbonyl).

HYUNDAI does not recommend the use of gasoline containing MMT.

This type of fuel can reduce vehicle performance and affect your emission control system.

The malfunction indicator lamp on the cluster may come on.

Fuel Additives

HYUNDAI recommends that you use good quality gasolines treated with detergent additives such as TOP TIER Detergent Gasoline, which help prevent deposit formation in the engine. These gasolines will help the engine run cleaner and enhance performance of the Emission Control System. For more information on TOP TIER Detergent Gasoline, please go to the website (www.toptiergas.com).

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For customers who do not use TOP Tier Detergent Gasoline regularly, and have problems starting or the engine does not run smoothly, additives that you can buy separately may be added to the gasoline. If TOP TIER Detergent Gasoline is not available, one bottle of additive added to the fuel tank at every 7,500 miles or 12 months is recommended.

Additives are available from your authorized HYUNDAI dealer along with information on how to use them. Do not mix other additives.

Operation in foreign countries

If you are going to drive your vehicle in another country, be sure to:

- Observe all regulations regarding registration and insurance.
- Determine that acceptable fuel is available.

VEHICLE BREAK-IN PROCESS

No special break-in period is needed. By following a few simple precautions for the first 600 miles (1,000 km) you may add to the performance, economy and life of your vehicle.

- Do not race the engine.
- While driving, keep your engine speed (rpm, or revolutions per minute) between 2,000 rpm and 4,000 rpm.
- Do not maintain a single speed for long periods of time, either fast or slow. Varying engine speed is needed to properly break-in the engine.
- Avoid hard stops, except in emergencies, to allow the brakes to seat properly.

⚠ WARNING

CALIFORNIA PROPOSITION 65 WARNING

Items contained in motor vehicles or emitted from them are known to the State of California to cause cancer and birth defects or reproductive harm. These include:

- **Gasoline and its vapors**
- **Engine exhaust**
- **Used engine oil**
- **Interior passenger compartment components and materials**
- **Component parts which are subject to heat and wear**

In addition, battery posts, terminals and related accessories contain lead, lead compounds and other chemicals known to the State of California to cause cancer and reproductive harm.

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VEHICLE DATA COLLECTION AND EVENT DATA RECORDERS

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- **How various systems in your vehicle were operating;**
- **Whether or not the driver and passenger safety belts were buckled/fastened;**
- **How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,**
- **How fast the vehicle was traveling.**

These data can help provide a better understanding of the circumstances in which crashes and injuries occur. NOTE: EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

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Your vehicle at a glance

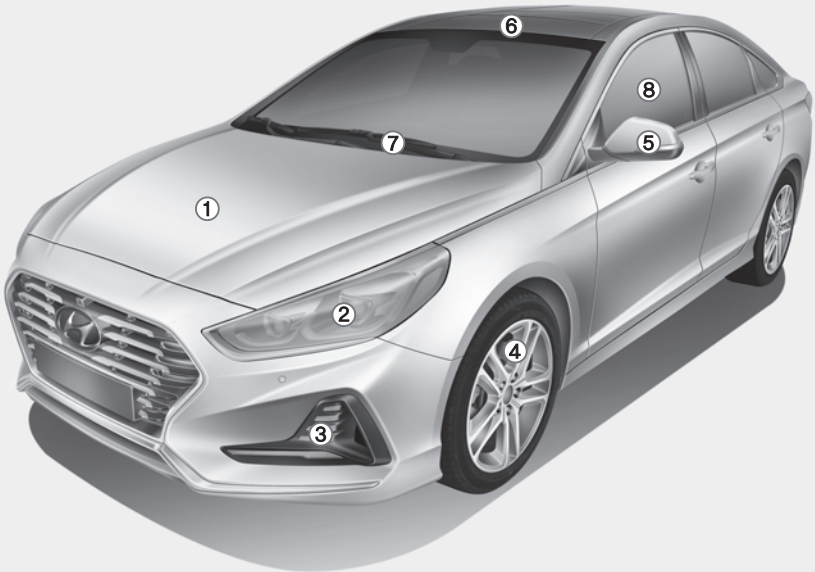
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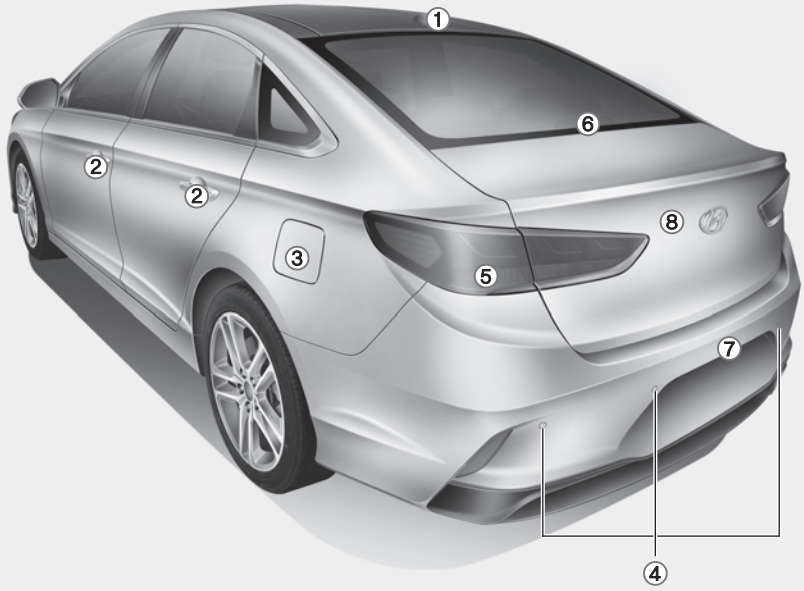
* : if equipped

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EXTERIOR OVERVIEW (II)

■ Rear view



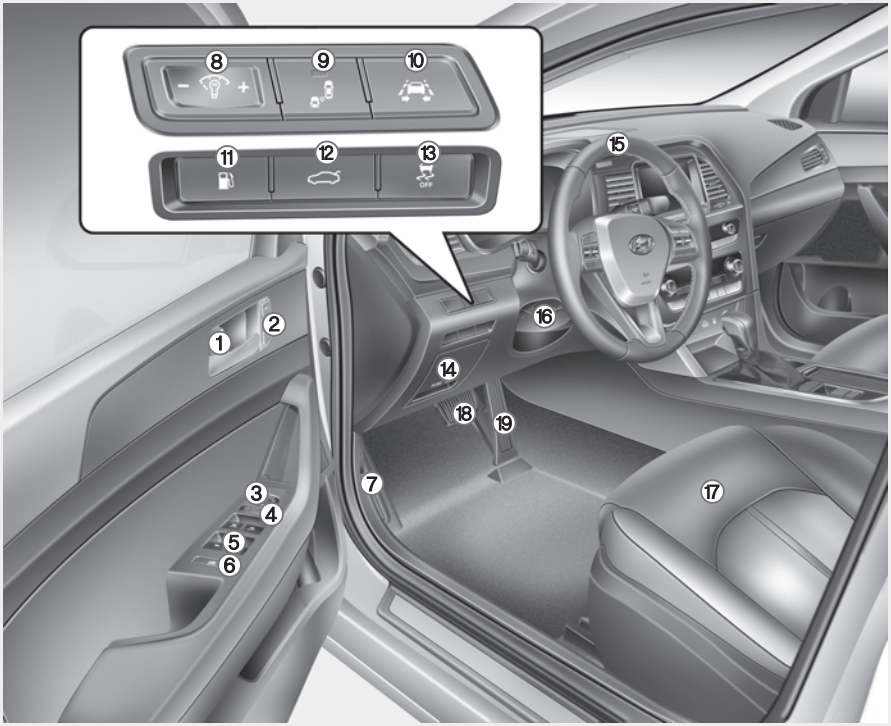
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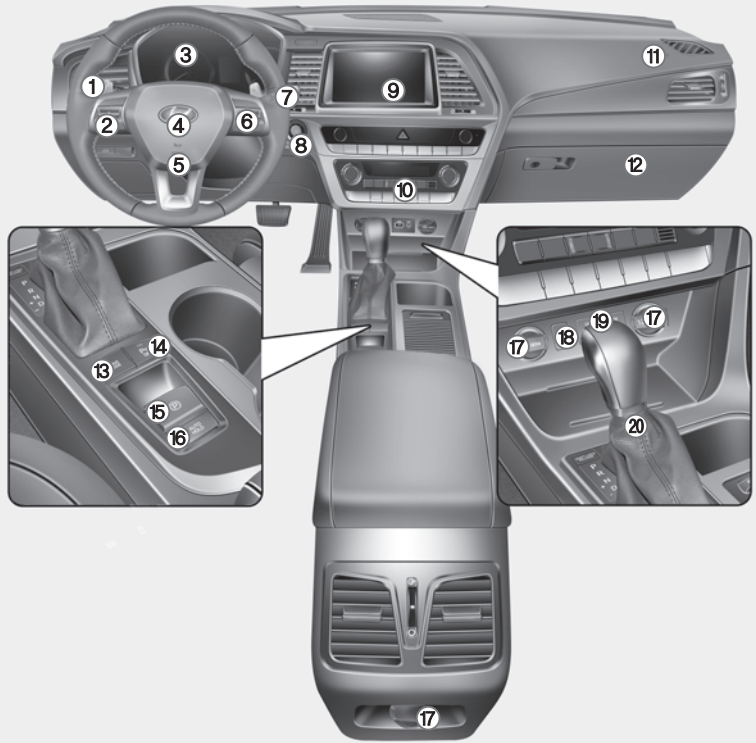
* : if equipped

The actual shape may differ from the illustration.

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INSTRUMENT PANEL OVERVIEW



The actual shape may differ from the illustration.

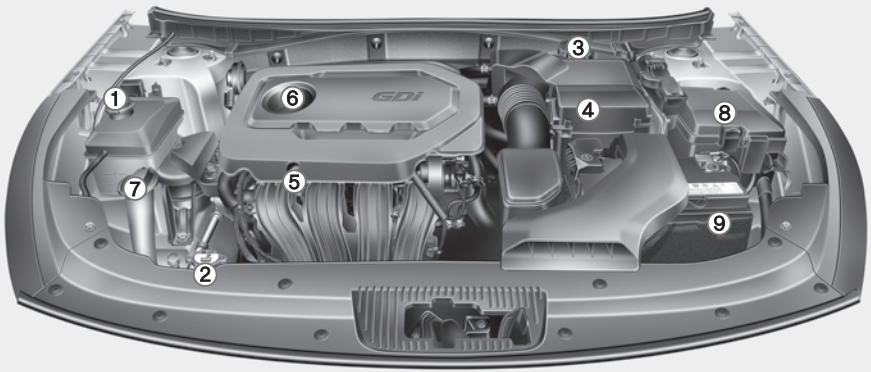
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The actual engine room in the vehicle may differ from the illustration.

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Safety system of your vehicle

This chapter provides you with important information about how to protect yourself and your passengers. It explains how to properly use your seats and seat belts, and how your air bags work. Additionally, this chapter explains how to properly restrain infants and children in your vehicle.

2

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IMPORTANT SAFETY PRECAUTIONS

You will find many safety precautions and recommendations throughout this section, and throughout this manual. The safety precautions in this section are among the most important.

Always Wear Your Seat Belt

A seat belt is your best protection in all types of accidents. Air bags are designed to supplement seat belts, not replace them. So even though your vehicle is equipped with air bags, ALWAYS make sure you and your passengers wear your seat belts, and wear them properly.

Restrain All Children

All children under age 13 should ride in your vehicle properly restrained in a rear seat, not the front seat. Infants and small children should be restrained in an appropriate child restraint. Larger children should use a booster seat with the lap/shoulder belt until they can use the seat belt properly without a booster seat.

Air Bag Hazards

While air bags can save lives, they can also cause serious or fatal injuries to occupants who sit too close to them, or who are not properly restrained. Infants, young children, and shorter adults are at the greatest risk of being injured by an inflating air bag. Follow all instructions and warnings in this manual.

Driver Distraction

Driver distraction presents a serious and potentially deadly danger, especially for inexperienced drivers. Safety should be the first concern when behind the wheel and drivers need to be aware of the wide array of potential distractions, such as drowsiness, reaching for objects, eating, personal grooming, other passengers, and using cellular phones.

Drivers can become distracted when they take their eyes and attention off the road or their hands off the wheel to focus on activities other than driving. To reduce your risk of distraction or getting into an accident:

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- ALWAYS set up your mobile devices (i.e., MP3 players, phones, navigation units, etc.) when your vehicle is parked or safely stopped.
- ONLY use your mobile device when allowed by laws and when conditions permit safe use. NEVER text or email while driving. Most states have laws prohibiting drivers from texting. Some states and cities also prohibit drivers from using handheld phones.
- NEVER let the use of a mobile device distract you from driving. You have a responsibility to your passengers and others on the road to always drive safely, with your hands on the wheel as well as your eyes and attention on the road.

Control Your Speed

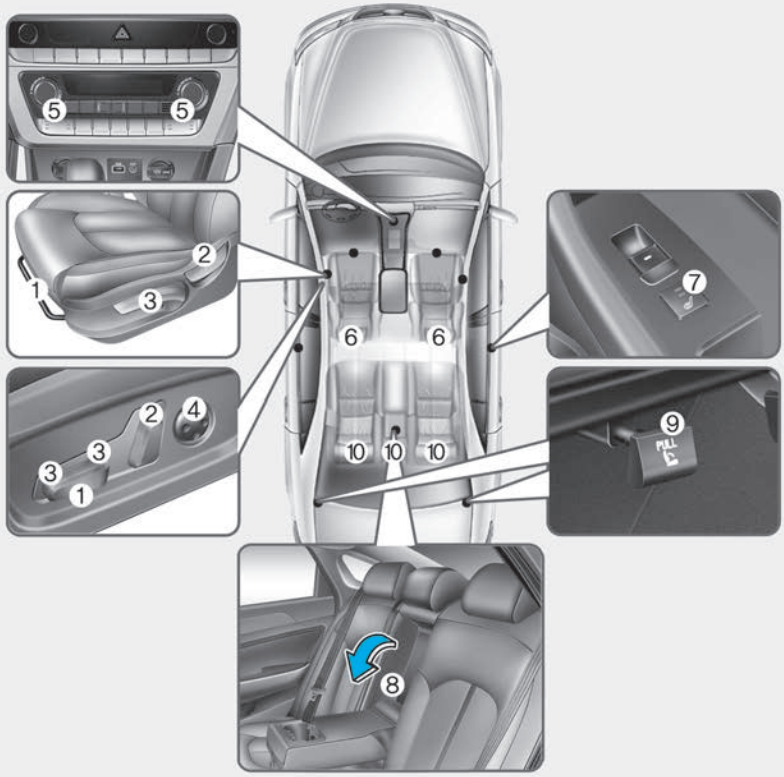
Excessive speed is a major factor in crash injuries and deaths. Generally, the higher the speed, the greater the risk, but serious injuries can also occur at lower speeds. Never drive faster than is safe for current conditions, regardless of the maximum speed posted.

Keep Your Vehicle in Safe Condition

Having a tire blowout or a mechanical failure can be extremely hazardous. To reduce the possibility of such problems, check your tire pressures and condition frequently, and perform all regularly scheduled maintenance.

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SEATS



Front seats

1. Seat sliding forward or rearward adjustment
2. Seatback angle adjustment
3. Seat cushion height adjustment
4. Lumbar support adjustment*
5. Seat warmer/Air ventilation seat*
6. Head restraint

Rear seats

7. Seat warmer*
8. Armrest
9. Seatback folding lever (trunk)
10. Head restraint

* : if equipped

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Safety Precautions

Adjusting the seats so that you are sitting in a safe, comfortable position plays an important role in driver and passenger safety together with the seat belts and air bags in an accident.

⚠ WARNING

Do not use a cushion that reduces friction between the seat and the passenger. The passenger's hips may slide under the lap portion of the seat belt during an accident or a sudden stop. Serious or fatal internal injuries could result because the seat belt cannot operate properly.

Air bags

You can take steps to reduce the risk of being injured by an inflating air bag. Sitting too close to an air bag greatly increases the risk of injury in the event the air bag inflates.

The National Highway Traffic Safety Administration (NHTSA) recommends that drivers allow at least 10 inches (25 cm) between the center of the steering wheel and their chest.

⚠ WARNING

To reduce the risk of serious injury or death from an inflating air bag, take the following precautions:

- **Adjust the driver's seat as far to the rear as possible while maintaining the ability to maintain full control of the vehicle.**
- **Adjust the front passenger seat as far to the rear as possible.**
- **Hold the steering wheel by the rim with hands at the 9 o'clock and 3 o'clock positions to minimize the risk of injuries to your hands and arms.**
- **NEVER place anything or anyone between the steering wheel and the air bag.**
- **Do not allow the front passenger to place feet or legs on the dashboard to minimize the risk of leg injuries.**

Seat belts

Always fasten your seat belt before starting any trip.

At all times, passengers should sit upright and be properly restrained. Infants and small children must be restrained in appropriate child restraint systems. Children who have outgrown a booster seat and adults must be restrained using the seat belts.

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⚠ WARNING

Take the following precautions when adjusting your seat belt:

- **NEVER use one seat belt for more than one occupant.**
- **Always position the seatback upright with the lap portion of the seat belt snug and low across the hips.**
- **NEVER allow children or small infants to ride in a passenger's lap.**
- **Do not route the seat belt across your neck, across sharp edges, or reroute the shoulder strap away from your body.**
- **Do not allow the seat belt to become caught or jammed.**

Front Seats

⚠ WARNING

Take the following precautions when adjusting your seat:

- **NEVER attempt to adjust the seat while the vehicle is moving. The seat could respond with unexpected movement and may cause loss of vehicle control resulting in an accident.**
- **Do not place anything under the front seats. Loose objects in the driver's foot area could interfere with the operation of the foot pedals, causing an accident.**
- **Do not allow anything to interfere with the normal position and proper locking of the seatback.**
- **Do not place a cigarette lighter on the floor or seat. When you operate the seat, gas may exit out of the lighter causing a fire.**

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- **Use extreme caution when picking small objects trapped under the seats or between the seat and the center console. Your hands might be cut or injured by the sharp edges of the seat mechanism.**

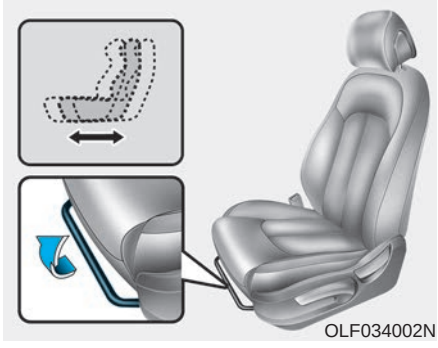
⚠ CAUTION

To prevent injury:

- **Do not adjust your seat while wearing your seat belt. Moving the seat cushion forward may cause strong pressure on your abdomen.**
- **Do not allow your hands or fingers to get caught in the seat mechanisms while the seat is moving.**

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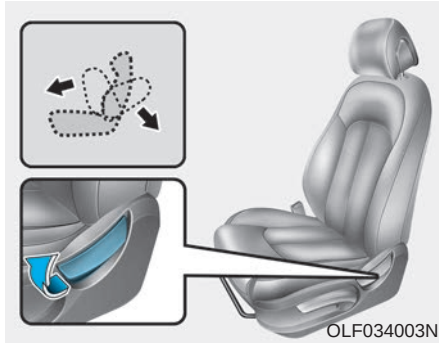
Manual adjustment


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Forward and rearward adjustment

To move the seat forward or rearward:

1. Pull up the seat slide adjustment lever and hold it.
2. Slide the seat to the position you desire.
3. Release the lever and make sure the seat is locked in place. Move forward and rearward without using the lever. If the seat moves, it is not locked properly.


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Seatback angle

To recline the seatback:

1. Lean forward slightly and lift up the seatback lever.
2. Carefully lean back on the seat and adjust the seatback to the position you desire.
3. Release the lever and make sure the seatback is locked in place. (The lever MUST return to its original position for the seatback to lock.)

Reclining seatback

Sitting in a reclined position when the vehicle is in motion can be dangerous. Even when buckled up, the protection of your restraint system (seat belts and air bags) is greatly reduced by reclining your seatback.

⚠ WARNING

NEVER ride with a reclined seatback when the vehicle is moving.

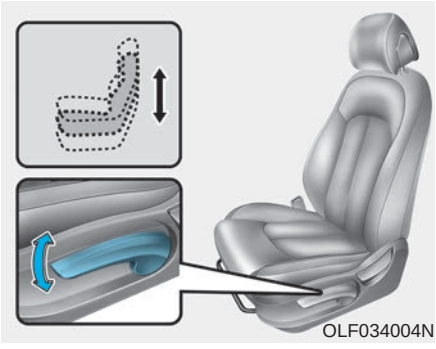
Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop.

Drivers and passengers should ALWAYS sit well back in their seats, properly belted, and with the seatbacks upright.

DEP
DEALER ePROCESS

Seat belts must be snug against your hips and chest to work properly. When the seatback is reclined, the shoulder belt cannot do its job because it will not be snug against your chest. Instead, it will be in front of you. During an accident, you could be thrown into the seat belt, causing neck or other injuries.

The more the seatback is reclined, the greater chance the passenger's hips will slide under the lap belt or the passenger's neck will strike the shoulder belt.


OLF034004N

Seat cushion height

To change the height of the seat cushion:

- Push down on the lever several times, to lower the seat cushion.
- Pull up on the lever several times, to raise the seat cushion.

Power adjustment

The front seat can be adjusted by using the control switches located on the outside of the seat cushion. Before driving, adjust the seat to the proper position so that you can easily control the steering wheel, foot pedals and controls on the instrument panel.

⚠ WARNING

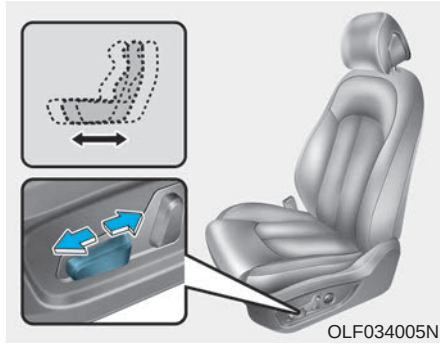
NEVER allow children in the vehicle unattended. The power seats are operable when the engine is turned off.

DEP DEALER ePROCESS

NOTICE

To prevent damage to the seats:

- **Always stop adjusting the seats when the seat has been adjusted as far forward or rearward as possible.**
- **Do not adjust the seats longer than necessary when the engine is turned off. This may result in unnecessary battery drain.**
- **Do not operate two or more seats at the same time. This may result in an electrical malfunction.**

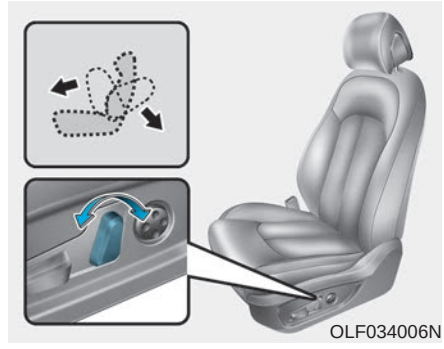


OLF034005N

Forward and rearward adjustment

To move the seat forward or rearward:

1. Push the control switch forward or rearward.
2. Release the switch once the seat reaches the desired position.



OLF034006N

Seatback angle

To recline the seatback:

1. Push the control switch forward or rearward.
2. Release the switch once the seatback reaches the desired position.

DEP
DEALER ePROCESS

Reclining seatback

Sitting in a reclined position when the vehicle is in motion can be dangerous. Even when buckled up, the protections of your restraint system (seat belts and air bags) is greatly reduced by reclining your seatback.

⚠ WARNING

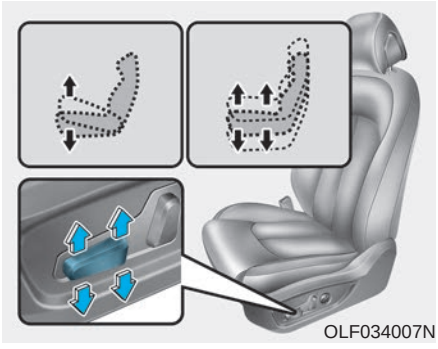
NEVER ride with a reclined seatback when the vehicle is moving.

Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop.

Driver and passengers should ALWAYS sit well back in their seats, properly belted, and with the seatbacks upright.

Seat belts must be snug against your hips and chest to work properly. When the seatback is reclined, the shoulder belt cannot do its job because it will not be snug against your chest. Instead, it will be in front of you. During an accident, you could be thrown into the seat belt, causing neck or other injuries.

The more the seatback is reclined, the greater chance the passenger's hips will slide under the lap belt or the passenger's neck will strike the shoulder belt.



OLF034007N

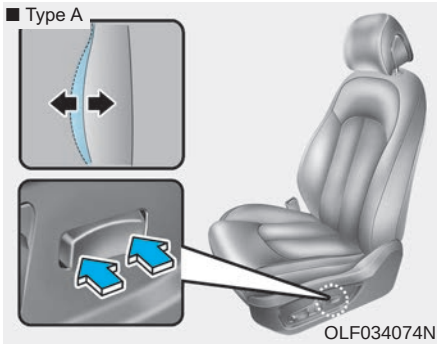
Seat cushion height

To change the height of the seat cushion:

1. Pull the front portion of the control switch up to raise or push down to lower the front part of the seat cushion. Pull the rear portion of the control switch up to raise or push down to lower the seat cushion.
2. Release the switch once the seat reaches the desired position.

DEP DEALER ePROCESS

■ Type A



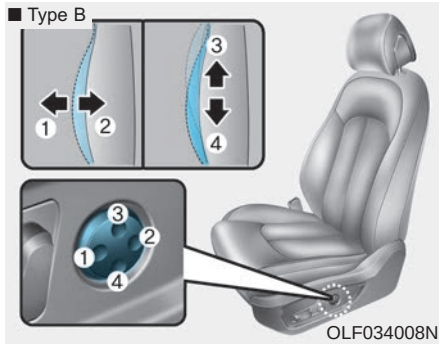
OLF034074N

Lumbar support
(for driver's seat, if equipped)

To adjust the lumbar support:

1. Press the front portion of the switch to increase support or the rear portion of the switch to decrease support.
2. Release the switch once it reaches the desired position.

■ Type B



OLF034008N

Lumbar support
(for driver's seat, if equipped)

The lumbar support can be adjusted by pressing the lumbar support switch.

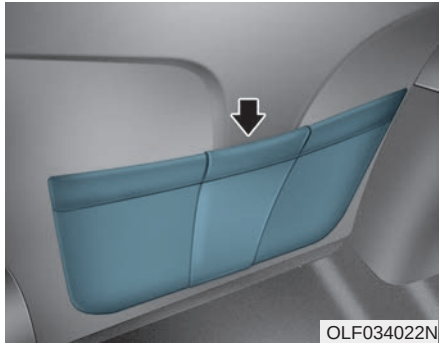
- Press the front portion of the switch (1) to increase support or the rear portion of the switch (2) to decrease support.
- Move the support position up and down by pressing the switch (3) or (4).

According to the equipped feature, the lumbar support does not operate up or down when the lumbar support is in the rearmost position.

In this case, to use the system, slightly increase support by pushing the front portion of the switch (1).

DEP
DEALER ePROCESS

Seatback pocket



The seatback pocket is provided on the back of the front seatbacks.

⚠ WARNING

To prevent the Occupant Classification System from malfunctioning:

Do not hang onto the front passenger's seatback.

⚠ CAUTION

Do not put heavy or sharp objects in the seatback pockets. In an accident they could come loose from the pocket and injure occupants.

Rear Seats

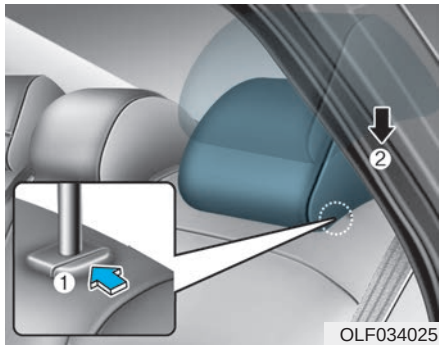
Folding the rear seat

The rear seatbacks can be folded to facilitate carrying long items or to increase the luggage capacity of the vehicle.

⚠ WARNING

- **Never allow passengers to sit on top of the folded down seatback while the vehicle is moving. This is not a proper seating position and no seat belts are available for use. This could result in serious injury or death in case of an accident or sudden stop.**
- **Objects carried on the folded down seatback should not extend higher than the top of the front seatbacks. This could allow cargo to slide forward and cause injury or damage during sudden stops.**

DEP DEALER ePROCESS



To fold down the rear seatback:

1. Set the front seatback to the upright position and if necessary, slide the front seat forward.
2. Lower the rear head restraints to the lowest position.



3. Pull on the seatback folding lever (1) located in the trunk.



4. Fold the seatback toward the front of the vehicle.
5. To use the rear seat, lift and pull the seatback rearward. Pull the seatback firmly until it clicks into place. Make sure the seatback is locked in place.

 When you return the seatback to its upright position, always be sure it has locked into position by pushing on the top of the seatback.

DEP
DEALER ePROCESS

⚠ WARNING

When returning the rear seatback from a folded to an upright position, hold the seatback and return it slowly. Ensure that the seatback is completely locked into its upright position by pushing on the top of the seatback. In an accident or sudden stop, the unlocked seatback could allow cargo to move forward with great force and enter the passenger compartment, which could result in serious injury or death.

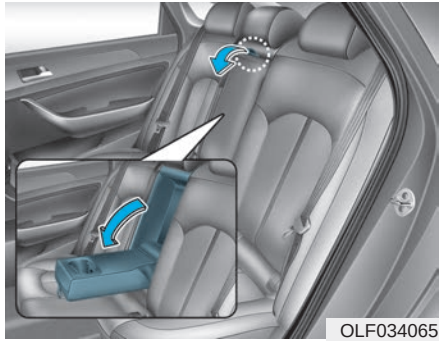
⚠ WARNING

Do not place objects in the rear seats, since they cannot be properly secured and may hit vehicle occupants in a collision causing serious injury or death.

⚠ WARNING

Make sure the engine is off, the shift lever is in P (Park), and the parking brake is securely applied whenever loading or unloading cargo. Failure to take these steps may allow the vehicle to move if the shift lever is inadvertently moved to another position.

Armrest


OLF034065

The armrest is located in the center of the rear seat. Pull the armrest down by using the strap from the seatback to use it.

You will find cup holders on the center armrest.

DEP DEALER ePROCESS

⚠ CAUTION

- **Be careful when loading cargo through the rear passenger seats to prevent damage to the vehicle interior.**
- **When cargo is loaded through the rear passenger seats, ensure the cargo is properly secured to prevent it from moving while driving.**
- **Unsecured cargo in the passenger compartment can cause damage to the vehicle or injury to it's occupants.**

Head Restraints

The vehicle's front and rear seats have adjustable head restraints. The head restraints provide comfort for passengers, but more importantly they are designed to help protect passengers from whiplash and other neck and spinal injuries during an accident, especially in a rear impact collision.

⚠ WARNING

To reduce the risk of serious injury or death in an accident, take the following precautions when adjusting your head restraints:

- **Always properly adjust the head restraints for all passengers BEFORE starting the vehicle.**
- **NEVER let anyone ride in a seat with the head restraints removed.**

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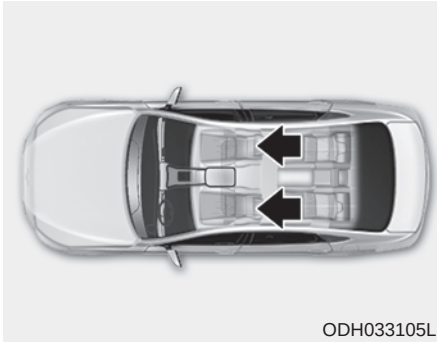
 Adjust the head restraints so the middle of the head restraints is at the same height as the height of the top of the eyes.
- **NEVER adjust the head restraint position of the driver's seat when the vehicle is in motion.**
- **Adjust the head restraint as close to the passenger's head as possible. Do not use a seat cushion that holds the body away from the seatback.**
- **Make sure the head restraint locks into position after adjusting it.**

DEP
DEALER ePROCESS

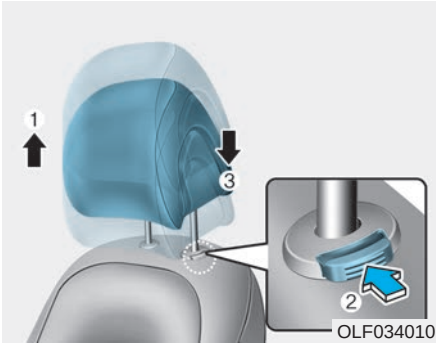
NOTICE

To prevent damage, NEVER hit or pull on the head restraints.

Front seat head restraints


ODH033105L

The vehicle's front and passenger's seats are equipped with adjustable head restraints for the passengers safety and comfort.



OLF034010

Adjusting the height up and down

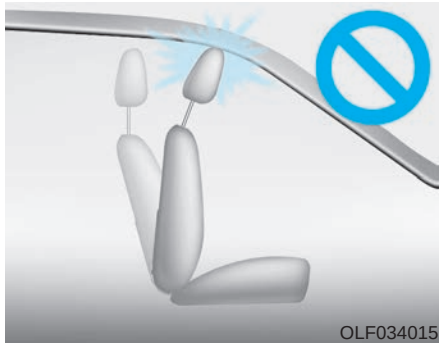
To raise the head restraint:

1. Pull it up to the desired position (1).

To lower the head restraint:

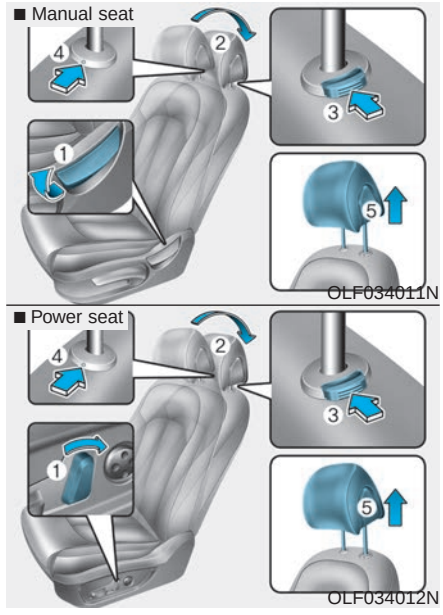
1. Push and hold the release button (2) on the head restraint support.
2. Lower the head restraint to the desired position (3).

DEP
DEALER ePROCESS



NOTICE

If you recline the seatback towards the front with the head restraint and seat cushion raised, the head restraint may come in contact with the sunvisor or other parts of the vehicle.



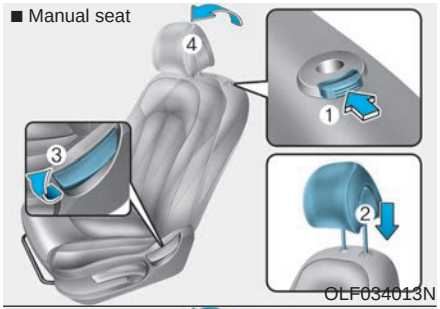
Removal/Reinstallation

To remove the head restraint:

1. Recline the seatback (2) rearward using the seatback angle lever/ switch (1).
2. Raise the head restraint as far as it can go.
3. Press the head restraint release button (3) and the access hole (4) with a tool (e.g. pin) while pulling the head restraint up (5).

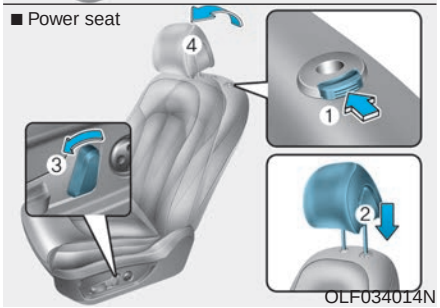
DEP
DEALER ePROCESS

■ Manual seat



OLF034013N

■ Power seat

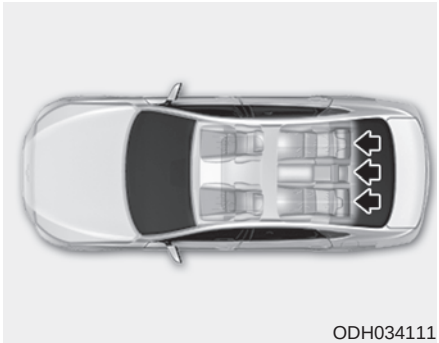


OLF034014N

To reinstall the head restraint:

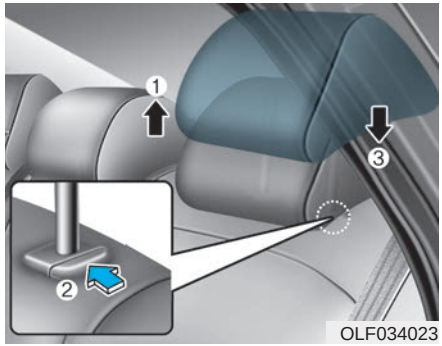
1. Put the head restraint poles (2) into the holes while pressing the release button (1).
2. Adjust the head restraint to the appropriate height.
3. Recline the seatback (4) forward using the seatback angle lever/ switch (3).

Rear seat head restraints



ODH034111

The rear seats are equipped with head restraints in all the seating positions for the passenger's safety and comfort.



OLF034023

Adjusting the height up and down

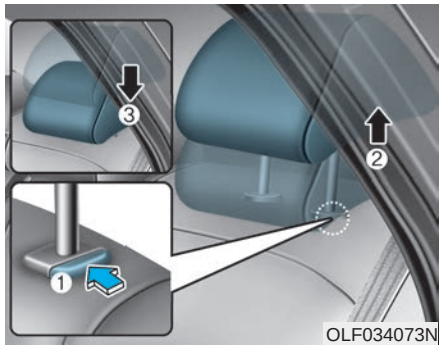
To raise the head restraint:

1. Pull it up to the desired position (1).

To lower the head restraint:

1. Push and hold the release button (2) on the head restraint support.
2. Lower the head restraint to the desired position (3).

DEP
DEALER ePROCESS



Removal/Reinstallation

To remove the head restraint:

1. Raise the head restraint as far as it can go.
2. Press the head restraint release button (1) while pulling the head restraint up (2).

To reinstall the head restraint:

1. Put the head restraint poles into the holes (3) while pressing the release button (1).
2. Adjust the head restraint to the appropriate height.

Seat Warmers and Air Ventilation Seats

Seat warmers (if equipped)

Seat warmers are provided to warm the seats during cold weather.

⚠ WARNING

The seat warmers can cause a serious burn, even at low temperatures and especially if used for long periods of time.

Passengers must be able to feel if the seat is becoming too warm so they can turn it off, if needed.

People who cannot detect temperature change or pain to the skin should use extreme caution, especially the following types of passengers:

- **Infants, children, elderly or disabled persons, or hospital outpatients.**
- **People with sensitive skin or who burn easily.**
- **Fatigued individuals.**
- **Intoxicated individuals.**

(Continued)

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- **People taking medication that can cause drowsiness or sleepiness.**

⚠ WARNING

NEVER place anything on the seat that insulates against heat when the seat warmer is in operation, such as a blanket or seat cushion. This may cause the seat warmer to overheat, causing a burn or damage to the seat.

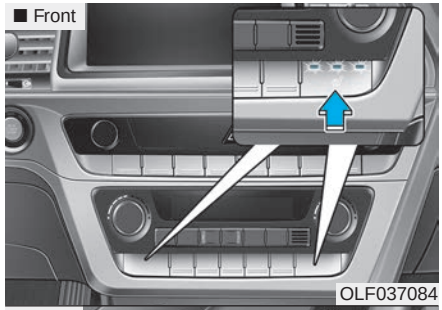
NOTICE

To prevent damage to the seat warmers and seats:

- **Never use a solvent such as paint thinner, benzene, alcohol or gasoline to clean the seats.**
- **Do not place heavy or sharp objects on seats equipped with seat warmers.**
- **Do not change the seat cover. It may damage the seat warmer.**

DEP
DEALER ePROCESS

■ Front



OLF037084

■ Rear



OLF034028

While the engine is running, push either of the switches to warm the driver's seat or passenger's seat.

During mild weather or under conditions where the operation of the seat warmer is not needed, keep the switches in the OFF position.

- Each time you push the switch, the temperature setting of the seat changes as follows :

 - Front

 OFF→HIGH(▮▮▮)→MIDDLE(▮▮)→LOW(▮)→

 - Rear

 OFF → HIGH(▮▮) → LOW(▮)→

- The seat warmer defaults to the OFF position whenever the ignition switch is in the ON position.

Information

With the seat warmer switch in the ON position, the heating system turns off or on automatically depending on seat temperature.

Air ventilation seats (if equipped)



OLF037020

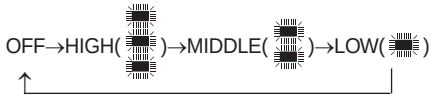
The air ventilation seats are provided to cool the front seats by blowing air through small vent holes on the surface of the seat cushions and seatbacks.

When the operation of the air ventilation seats are not needed, keep the switches in the OFF position.

DEP DEALER ePROCESS

While the engine is running, push the switch to cool the driver's seat or the front passenger's seat.

- Each time you push the switch, the airflow changes as follows:



- The air ventilation seats default to the OFF position whenever the ignition switch is turned to the ON position.

NOTICE

To prevent damage to the air ventilation seat system and seats:

- **Use the air ventilation seats ONLY when the air conditioning is on. Using the air ventilation seats for prolonged periods of time with the air conditioning off could cause the air ventilation seats to malfunction.**
- **Never use a solvent such as paint thinner, benzene, alcohol or gasoline to clean the seats.**
- **Avoid spilling liquids on the surface of the front seats and seatbacks; this may cause the air vent holes to become blocked and not work properly.**
- **Do not place materials such as plastic bags or newspapers under the seats. They may block the air intake causing the air vents to not work properly.**
- **Do not change the seat covers. It may damage the air ventilation seats.**

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- **If the air vents do not operate, restart the vehicle. If there is no change, have your vehicle inspected by an authorized HYUNDAI dealer.**

DEP
DEALER ePROCESS

SEAT BELTS

This section describes how to use the seat belts properly. It also describes some of the things not to do when using seat belts.

Seat Belt Safety Precautions

Always fasten your seat belt and make sure all passengers have fastened their seat belts before starting any trip. Air bags are designed to supplement the seat belt as an additional safety device, but they are not a substitute. Most states require all occupants of a vehicle to wear seat belts.

⚠ WARNING

Seat belts must be used by ALL passengers whenever the vehicle is moving. Take the following precautions when adjusting and wearing seat belts:

- **ALWAYS properly restrain children under age 13 in the rear seats.**

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- **NEVER allow children to ride in the front passenger seat. If a child age 13 or older must be seated in the front seat, move the seat as far back as possible and properly restrain them in the seat.**
- **NEVER allow an infant or child to be carried on an occupant's lap.**
- **NEVER ride with the seatback reclined when the vehicle is moving.**
- **Do not allow children to share a seat or seat belt.**
- **Do not wear the shoulder belt under your arm or behind your back.**
- **Always wear both the shoulder portion and lap portion of the lap/shoulder belt.**
- **Do not use the seat belt if it is twisted. A twisted seat belt will not protect you properly in an accident.**

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- **Do not use a seat belt if the webbing or hardware is damaged.**
- **Do not latch the seat belt into the buckles of other seats.**
- **NEVER unfasten the seat belt while driving. This may cause loss of vehicle control resulting in an accident.**
- **Make sure there is nothing in the buckle interfering with the seat belt latch mechanism. This may prevent the seat belt from fastening securely.**
- **No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.**

DEP DEALER ePROCESS

⚠ WARNING

Damaged seat belts and seat belt assemblies will not operate properly. Always replace:

- **Frayed, contaminated, or damaged webbing**
- **Damaged hardware**
- **The entire seat belt assembly after it has been worn in an accident, even if damage to webbing or assembly is not apparent**

Seat Belt Warning Light

Seat belt warning light (for driver's seat)



OLMB033022

The driver's seat belt warning light and chime will come on according to the following table when the ignition switch is in the ON position.

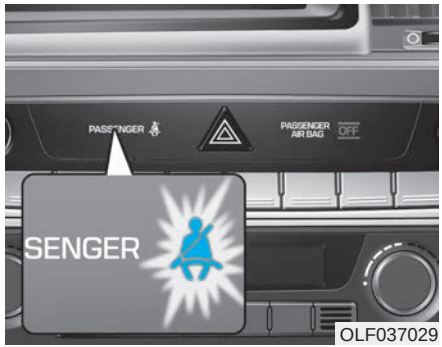
Conditions		Warning Pattern	
Seat Belt	**Vehicle Speed**	**Light (Blink)**	**Chime**
Unbuckled		6 seconds	
Buckled		6 seconds	None
Buckled → Unbuckled	Below 3 mph (5 km/h)	6 seconds	None
	3 mph~ 6 mph	6 seconds	
	Above 6 mph (10 km/h)	6 sec. ON / 24 sec. OFF (11 times)	
Unbuckled	Above 6 mph (10 km/h) ↓ Below 3 mph (5 km/h)	6 seconds *1 ↓ Stop *2	

*1 : The Warning Pattern repeats 11 times with an interval of 24 seconds. If the driver's seat belt is buckled, the light will stop within 6 seconds and chime will stop immediately.

*2 : The light will stop within 6 seconds and chime will stop immediately.

DEP
DEALER ePROCESS

Seat belt warning light (for front passenger's seat)



OLF037029

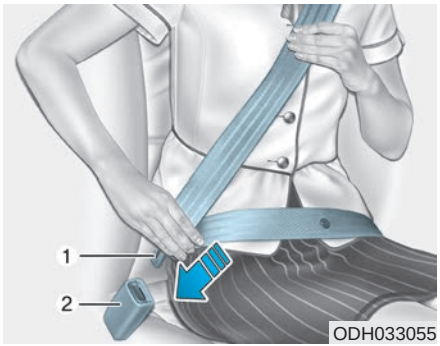
The front passenger's seat belt warning light will activate to the following table when the ignition switch is in "ON" position.

Conditions		Warning Pattern
Seat Belt	**Vehicle Speed**	**Light-Blink**
Unbuckled		6 seconds
Unbuckled	Above 6mph (10 km/h)	Continuously
Buckled		6 seconds
Buckled → Unbuckled	Above 6mph (10 km/h)	Continuously *1
	Below 6mph (10 km/h)	None

*1 : The seat belt warning light will go off if the vehicle speed decreases below 3 mph (5 km/h). If the vehicle speed increases above 3 mph (5 km/h), the warning light will blink again.

Seat Belt Restraint System

Seat Belt-Driver's 3-point system with emergency locking retractor

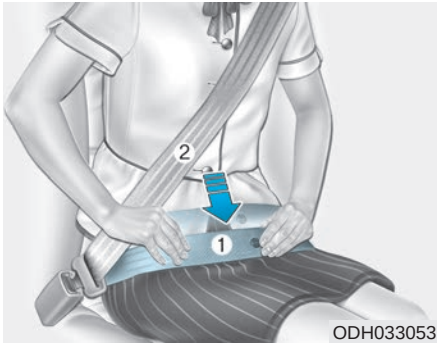


ODH033055

To fasten your seat belt:

Pull the seat belt out of the retractor and insert the metal tab (1) into the buckle (2). There will be an audible "click" when the tab locks into the buckle.

DEP DEALER ePROCESS



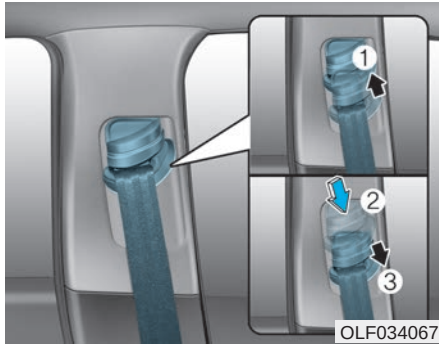
You should place the lap belt (1) portion across your hips and the shoulder belt (2) portion across your chest.

The seat belt automatically adjusts to the proper length after the lap belt portion is adjusted manually so that it fits snugly around your hips. If you lean forward in a slow, easy motion, the belt will extend and move with you.

If there is a sudden stop or impact, the belt will lock into position. It will also lock if you try to lean forward too quickly.

NOTICE

If you are not able to smoothly pull enough of the seat belt out from the retractor, firmly pull the seat belt out and release it. After release, you will be able to pull the belt out smoothly.



Height adjustment

You can adjust the height of the shoulder belt anchor to one of the four different positions for maximum comfort and safety.

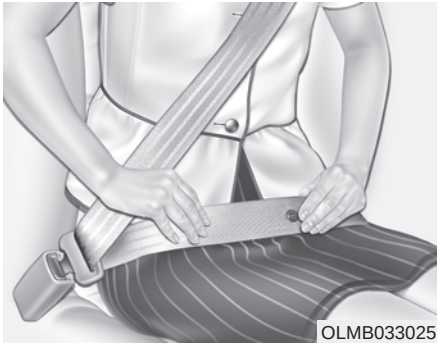
The shoulder portion should be adjusted so it lies across your chest and midway over your shoulder nearest the door, not over your neck.

To adjust the height of the seat belt anchor, lower or raise the height adjuster into an appropriate position.

DEP
DEALER ePROCESS

To raise the height adjuster, pull it up (1). To lower it, push it down (3) while pressing the height adjuster button (2).

Release the button to lock the anchor into position. Try sliding the height adjuster to make sure that it has locked into position.


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⚠ WARNING

Improperly positioned seat belts may increase the risk of serious injury in an accident. Take the following precautions when adjusting the seat belt:

- **Position the lap portion of the seat belt as low as possible across your hips, not on your waist, so that it fits snugly.**

(Continued)

(Continued)

- **Position one arm under the shoulder belt and the other over the belt, as shown in the illustration.**
- **Always position the shoulder belt anchor into the locked position at the appropriate height.**
- **Never position the shoulder belt across your neck or face.**

DEP DEALER ePROCESS

Rear Seat Belt – Passenger's 3-point system with convertible locking retractor

This type of seat belt combines the features of both an emergency locking retractor seat belt and an automatic locking retractor seat belt. Convertible retractor type seat belts are installed in the rear seat positions to help accommodate the installation of child restraint systems. Although a convertible retractor is also installed in the front passenger seat position, NEVER place any infant/child restraint system in the front seat of the vehicle.

To fasten your seat belt:

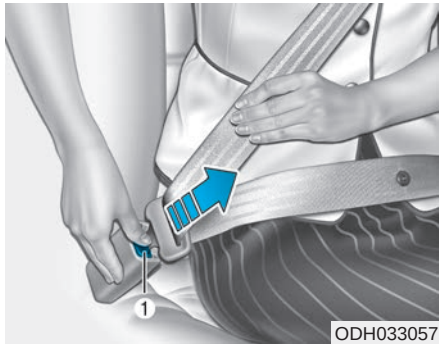
Pull the seat belt out of the retractor and insert the metal tab into the buckle. There will be an audible "click" when the tab locks into the buckle. When not securing a child restraint, the seat belt operates in the same way as the driver's seat belt (Emergency Locking Retractor Type). It automatically adjusts to the proper length only after the lap belt portion of the seat belt is adjusted manually so that it fits snugly across your hips.

When the seat belt is fully extended from the retractor to allow the installation of a child restraint system, the seat belt operation changes to allow the belt to retract, but not to extend (Automatic Locking Retractor Type). Refer to the "Using a Child Restraint System" section in this chapter.

NOTICE

Although the seat belt retractor provides the same level of protection for seated passengers in either emergency or automatic locking modes, the emergency locking mode allows seated passengers to move freely in their seat while keeping some tension on the belt. During a collision or sudden stop, the retractor automatically locks the belt to help restrain your body.

To deactivate the automatic locking mode, allow the unbuckled seat belt to fully retract.



To release your seat belt:

Press the release button (1) in the locking buckle.

When it is released, the belt should automatically draw back into the retractor. If this does not happen, check the belt to be sure it is not twisted, then try again.

DEP
DEALER ePROCESS

Pre-tensioner seat belt (Driver and front passenger)

Retractor Pre-tensioner

Your vehicle is equipped with driver's and front passenger's Pre-tensioner Seat Belts. The purpose of the pre-tensioner is to make sure the seat belts fit tightly against the occupant's body in certain frontal collisions. The pre-tensioner seat belts may be activated in crashes where the frontal collision is severe enough.

If the system senses excessive tension on the driver's or passenger's seat belt when the pre-tensioner activates, the load limiter inside the pre-tensioner will release some of the pressure on the affected seat belt.

When the vehicle stops suddenly, or if the occupant tries to lean forward too quickly, the seat belt retractor will lock into position. In certain frontal collisions, the pre-tensioner will activate and pull the seat belt into tighter contact against the occupant's body.



Seat Belt Anchor Pre-tensioner

The purpose of the Seat Belt Anchor Pre-tensioner is to help the lap belt fit tightly against the occupant's lower body in certain frontal collisions. The Seat Belt Anchor Pre-tensioner may be activated in crashes where the frontal collision is severe enough.

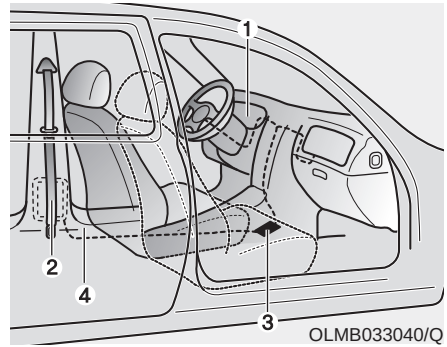
⚠ WARNING

- **Always wear your seat belt and sit properly in your seat.**
- **Do not use the seat belt if it is loose or twisted. A loose or twisted seat belt will not protect you properly in an accident.**
- **Do not place anything near the buckle. This may adversely affect the buckle and cause it to function improperly.**
- **Always replace your pre-tensioners after activation or an accident.**
- **NEVER inspect, service, repair or replace the pre-tensioners yourself. This must be done by an authorized HYUNDAI dealer.**
- **Do not hit the seat belt assemblies.**

DEP DEALER ePROCESS

⚠ WARNING

Do not touch the pre-tensioner seat belt assemblies for several minutes after they have been activated. When the pre-tensioner seat belt mechanism deploys during a collision, the pre-tensioners become hot and can burn you.



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The Pre-Tensioner Seat Belt System consists mainly of the following components. Their locations are shown in the illustration above:

1. SRS air bag warning light
2. Retractor pre-tensioner
3. SRS control module
4. Anchor Pre-tensioner

NOTICE

The sensor that activates the SRS air bag is connected with the pre–tensioner seat belts. The SRS air bag warning light on the instrument panel will illuminate for approximately 6 seconds after the ignition switch is in the ON position, and then it should turn off.

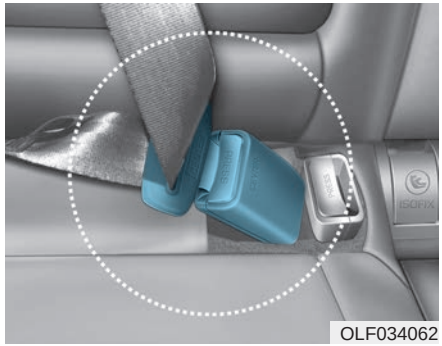
If the pre-tensioner is not working properly, the warning light will illuminate even if the SRS air bag is not malfunctioning. If the warning light does not illuminate, stays illuminated or illuminates when the vehicle is being driven, have an authorized HYUNDAI dealer inspect the pre-tensioner seat belts and SRS air bags as soon as possible.

DEP
DEALER ePROCESS

NOTICE

- **Both the driver's and front passenger's pre-tensioner seat belts may be activated in certain frontal or side collisions or rollovers.**
- **The pre-tensioners will not be activated if the seat belts are not worn at the time of the collision.**
- **When the pre-tensioner seat belts are activated, a loud noise may be heard and fine dust, which may appear to be smoke, may be visible in the passenger compartment. These are normal operating conditions and are not hazardous.**
- **Although it is non-toxic, the fine dust may cause skin irritation and should not be breathed for prolonged periods. Wash all exposed skin areas thoroughly after an accident in which the pre-tensioner seat belts were activated.**

Rear center seat belt



When using the rear center seat belt, the buckle with the "CENTER" mark must be used.

Additional Seat Belt Safety Precautions

Seat belt use during pregnancy

The seat belt should always be used during pregnancy. The best way to protect your unborn child is to protect yourself by always wearing the seat belt.

Pregnant women should always wear a lap-shoulder seat belt. Place the shoulder belt across your chest, routed between your breasts and away from your neck. Place the shoulder belt across the chest, routed away from the neck. Place the lap belt below the belt line so that it fits snugly and as low as possible across the hips, not across the abdomen.

⚠ WARNING

To reduce the risk of serious injury or death to an unborn child during an accident, pregnant women should NEVER place the lap portion of the seat belt above or over the area of the abdomen where the unborn child is located.

DEP DEALER ePROCESS

Seat belt use and children

Infant and small children

All 50 states have child restraint laws which require children to travel in approved child restraint devices, including booster seats. The age at which seat belts can be used instead of child restraints differs among states, so you should be aware of the specific requirements in your state, and where you are travelling. Infant and child restraints must be properly placed and installed in a rear seat. For more information refer to the “Child Restraint Systems” section in this chapter.

⚠ WARNING

ALWAYS properly restrain infants and small children in a child restraint appropriate for the child's height and weight.

To reduce the risk of serious injury or death to a child and other passengers, NEVER hold a child in your lap or arms when the vehicle is moving. The violent forces created during an accident will tear the child from your arms and throw the child against the interior of the vehicle.

Small children are best protected from injury in an accident when properly restrained in the rear seat by a child restraint system that meets the requirements of the Federal Motor Vehicle Safety Standards. Before buying any child restraint system, make sure that it has a label certifying that it meets Federal Motor Vehicle Safety Standard 213. The restraint must be appropriate for your child’s height and weight. Check the label on the child restraint for this information. Refer to the "Child Restraint Systems" section in this chapter.

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DEALER ePROCESS

Larger children

Children under age 13 and who are too large for a booster seat must always occupy the rear seat and use the available lap/shoulder belts. A seat belt should lie across the upper thighs and be snug across the shoulder and chest to restrain the child safely. Check belt fit periodically. Children are afforded the most safety in the event of an accident when they are restrained by a proper restraint system and/or seat belts in the rear seat. Always have the LATCH system inspected by your authorized HYUNDAI dealer after an accident. An accident can damage the LATCH system and may not properly secure the child restraint.

If a larger child over age 13 must be seated in the front seat, the child must be securely restrained by the available lap/shoulder belt and the seat should be placed in the rearmost position.

If the shoulder belt portion slightly touches the child's neck or face, try placing the child closer to the center of the vehicle. If the shoulder belt still touches their face or neck they need to be returned to an appropriate booster seat in the rear seat.

⚠ WARNING

- **Always make sure children are wearing their seat belts and that they are properly adjusted before driving.**
- **NEVER allow the shoulder belt to contact the child's neck or face.**
- **Do not allow more than one child to use a single seat belt.**

Transporting an injured person

A seat belt should be used when an injured person is being transported. Consult a physician for specific recommendations.

One person per belt

Two people (including children) should never attempt to use a single seat belt. This could increase the severity of injuries in case of an accident.

Do not lie down

Sitting in a reclined position when the vehicle is in motion can be dangerous. Even when buckled up, the protections of your restraint system (seat belts and air bags) is greatly reduced by reclining your seatback.

To reduce the chance of injuries in the event of an accident and to achieve the maximum effectiveness of the restraint system, all passengers should be sitting up and the front and rear seats should be in an upright position when the car is moving.

DEP DEALER ePROCESS

A seat belt cannot provide proper protection if the person is lying down in the rear seat or if the front or rear seats are in a reclined position.

⚠ WARNING

- **NEVER ride with a reclined seatback when the vehicle is moving.**
- **Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop.**
- **Drivers and passengers should always sit well back in their seats, properly belted, and with the seatbacks upright.**

Care of Seat Belts

Seat belt systems should never be disassembled or modified. In addition, care should be taken to assure that seat belts and belt hardware are not damaged by seat hinges, doors or other abuse.

Periodic inspection

All seat belts should be inspected periodically for wear or damage of any kind. Any damaged parts should be replaced as soon as possible by an authorized HYUNDAI dealer.

Keep belts clean and dry

Seat belts should be kept clean and dry. If belts become dirty, they can be cleaned by using a mild soap solution and warm water. Bleach, dye, strong detergents or abrasives should not be used because they may damage and weaken the fabric.

When to replace seat belts

The entire seat belt assembly or assemblies should be replaced if the vehicle has been involved in an accident. This should be done even if no damage is visible. Additional questions concerning seat belt operation should be directed to an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

CHILD RESTRAINT SYSTEM (CRS)

Children Always in the Rear

⚠ WARNING

Always properly restrain children in the rear seats of the vehicle.

Children of all ages are safer when restrained in the rear seat. A child riding in the front passenger seat can be forcefully struck by an inflating air bag resulting in SERIOUS INJURY or DEATH.

Children under age 13 must always ride in the rear seats and must always be properly restrained to minimize the risk of injury in an accident, sudden stop or sudden maneuver. According to accident statistics, children are safer when properly restrained in the rear seats than in the front seat. **Even with air bags, children can be seriously injured or killed.** Children too large for a child restraint must use the seat belts provided.

All 50 states have child restraint laws which require children to travel in approved child restraint devices. The laws governing the age or height/weight restrictions at which seat belts can be used instead of child restraints differs among states, so you should be aware of the specific requirements in your state, and where you are travelling.

Child restraint systems must be properly placed and installed in the rear seat. You must use a commercially available child restraint system that meets the requirements of the Federal Motor Vehicle Safety Standards (FMVSS).

Child restraint systems are generally designed to be secured in a vehicle seat by lap belt portion of a lap/shoulder belt, or by a LATCH system in the rear seats of the vehicle.

DEP DEALER ePROCESS

Child restraint system (CRS)

Infants and younger children must be restrained in an appropriate rear-facing or forward-facing CRS that has first been properly secured to the rear seat of the vehicle. Read and comply with the instructions for installation and use provided by the manufacturer of the child restraint.

⚠ WARNING

An improperly secured child restraint can increase the risk of SERIOUS INJURY or DEATH in an accident. Always take the following precautions when using a child restraint system:

- **NEVER install a child or infant restraint in the front passenger's seat.**
- **Always properly secure the child restraint to a rear seat of the vehicle.**

(Continued)

(Continued)

- **Always follow the child restraint system manufacturer's instructions for installation and use.**
- **Always properly restrain your child in the child restraint.**
- **If the vehicle head restraint prevents proper installation of a child seat (as described in the child restraint system manual), the head restraint of the respective seating position shall be readjusted or entirely removed.**
- **Do not use an infant carrier or a child safety seat that "hooks" over a seatback, it may not provide adequate protection in an accident.**
- **After an accident, have a HYUNDAI dealer check the child restraint system, seat belts, tether anchors and lower anchors.**

Selecting a Child Restraint System (CRS)

When selecting a CRS for your child, always:

- Make sure the CRS has a label certifying that it meets applicable Federal Motor Vehicle Safety Standards (FMVSS 213).
- Select a child restraint based on your child's height and weight. The required label or the instructions for use typically provide this information.
- Select a child restraint that fits the vehicle seating position where it will be used.
- Read and comply with the warnings and instructions for installation and use provided with the child restraint system.

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DEALER ePROCESS

Child restraint system types

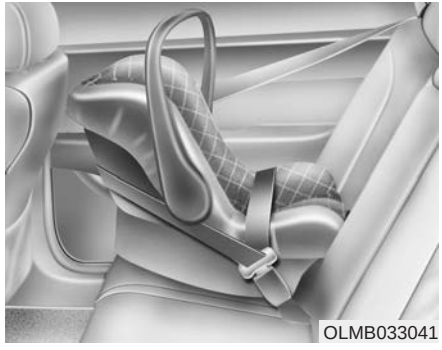
There are three main types of child restraint systems: rear-facing seats, forward-facing seats, and booster seats. They are classified according to the child's age, height and weight.

Rear-facing child seats

⚠ WARNING

NEVER install a child or infant restraint in the front passenger's seat.

Placing a rear-facing child restraint in the front seat can result in SERIOUS INJURY or DEATH if the child restraint is struck by an inflating air bag.



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A rear-facing child seat provides restraint with the seating surface against the back of the child. The harness system holds the child in place, and in an accident, acts to keep the child positioned in the seat and reduce the stress to the neck and spinal cord.

All children under age one must always ride in a rear-facing infant child restraint.

Convertible and 3-in-1 child seats typically have higher height and weight limits for the rear-facing position, allowing you to keep your child rear-facing for a longer period of time.

Continue to use a rear-facing child seat for as long as your child will fit within the height and weight limits allowed by the child seat manufacturer. It's the best way to keep them safe. Once your child has outgrown the rear-facing child restraint, your child is ready for a forward-facing child restraint with a harness.

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Forward-facing child restraints

A forward-facing child seat provides restraint for the child's body with a harness. Keep children in a forward-facing child seat with a harness until they reach the top height or weight limit allowed by your child restraint's manufacturer.

Once your child outgrows the forward-facing child restraint, your child is ready for a booster seat.

Booster seats

A booster seat is a restraint designed to improve the fit of the vehicle's seat belt system. A booster seat positions the seat belt so that it fits properly over the lap of your child.

Keep your child in a booster seat until they are big enough to sit in the seat without a booster and still have the seat belt fit properly. For a seat belt to fit properly, the lap belt must lie snugly across the upper thighs, not the stomach. The shoulder belt should lie snug across the shoulder and chest and not across the neck or face. Children under age 13 must always ride in the rear seats and must always be properly restrained to minimize the risk of injury.

Installing a Child Restraint System (CRS)

⚠ WARNING

Before installing your child restraint system always:

- **Read and follow the instructions provided by the manufacturer of the child restraint.**
- **Read and follow the instructions regarding child restraint systems in this manual.**

Failure to follow all warnings and instructions could increase the risk of the SERIOUS INJURY or DEATH if an accident occurs.

⚠ WARNING

If the vehicle headrest prevents proper installation of a child seat (as described in the child seat system manual, the headrest of the respective seating position shall be readjusted or entirely removed.

DEP
DEALER ePROCESS

After selecting a proper child seat for your child, check to make sure it fits properly in your vehicle. Follow the instructions provided by the manufacturer when installing the child seat. Note these general steps when installing the seat to your vehicle:

- **Properly secure the child restraint to the vehicle.** All child restraints must be secured to the vehicle with the lap part of a lap/shoulder belt or with the LATCH system.
- **Make sure the child restraint is firmly secured.** After installing a child restraint to the vehicle, push and pull the seat forward and from side-to-side to verify that it is securely attached to the seat. A child restraint secured with a seat belt should be installed as firmly as possible. However, some side-to-side movement can be expected.
- **Secure the child in the child restraint.** Make sure the child is properly strapped in the child restraint according to the manufacturer instructions.

⚠ CAUTION

A child restraint in a closed vehicle can become very hot. To prevent burns, check the seating surface and buckles before placing your child in the child restraint.

Lower Anchors and Tether for Children (LATCH) System

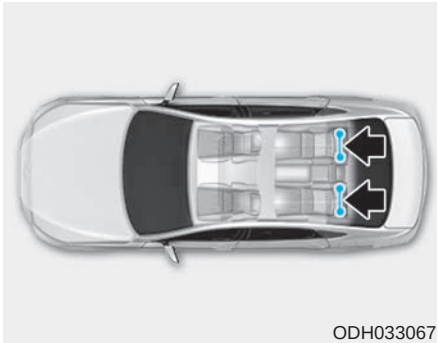
The LATCH system holds a child restraint during driving and in an accident. This system is designed to make installation of the child restraint easier and reduce the possibility of improperly installing your child restraint. The LATCH system uses anchors in the vehicle and attachments on the child restraint. The LATCH system eliminates the need to use seat belts to secure the child restraint to the rear seats.

Lower anchors are metal bars built into the vehicle. There are two lower anchors for each LATCH seating position that will accommodate a child restraint with lower attachments.

To use the LATCH system in your vehicle, you must have a child restraint with LATCH attachments.

The child seat manufacturer will provide you with instructions on how to use the child seat with its attachments for the LATCH lower anchors.

DEP DEALER ePROCESS

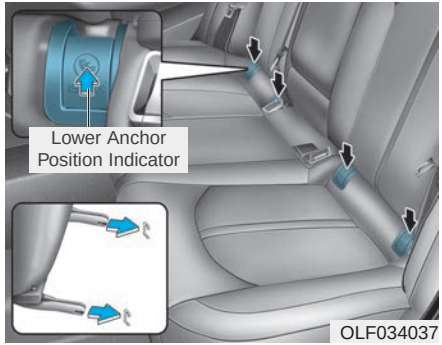


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LATCH anchors have been provided in the left and right outboard rear seating positions. Their locations are shown in the illustration. There are no LATCH anchors provided for the center rear seating position.

⚠ WARNING

Do not attempt to install a child restraint system using LATCH anchors in the rear center seating position. There are no LATCH anchors provided for this seat. Using the outboard seat anchors can damage the anchors which may break or fail in a collision resulting in serious injury or death.



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The lower anchor position indicator symbols are located on the left and right rear seat backs to identify the position of the lower anchors in your vehicle (see arrows in illustration).

The LATCH anchors are located between the seatback and the seat cushion of the rear seat left and right outboard seating positions.

To use the lower anchor, push the upper portion of the lower anchor cover.

DEP
DEALER ePROCESS

Securing a child restraint with the LATCH anchors system

To install a LATCH-compatible child restraint in either of the rear outboard seating positions:

1. Move the seat belt buckle away from the lower anchors.
2. Move any other objects away from the anchors that could prevent a secure connection between the child restraint and the lower anchors.
3. Place the child restraint on the vehicle seat, then attach the seat to the lower anchors according to the instructions provided by the child restraint manufacturer.
4. Follow the child restraint instructions for properly adjusting and tightening the lower attachments on the child restraint to the lower anchors.

⚠ WARNING

Take the following precautions when using the LATCH system:

- **Read and follow all installation instructions provided with your child restraint system.**
- **To prevent the child from reaching and taking hold of unretracted seat belts, buckle all unused rear seat belts and retract the seat belt webbing behind the child. Children can be strangled if a shoulder belt becomes wrapped around their neck and the seat belt tightens.**
- **NEVER attach more than one child restraint to a single anchor. This could cause the anchor or attachment to come loose or break.**
- **Always have the LATCH system inspected by your authorized HYUNDAI dealer after an accident. An accident can damage the LATCH system and may not properly secure the child restraint.**

NOTICE

The recommended weight for the LATCH system is under 65 lb (30 kg).

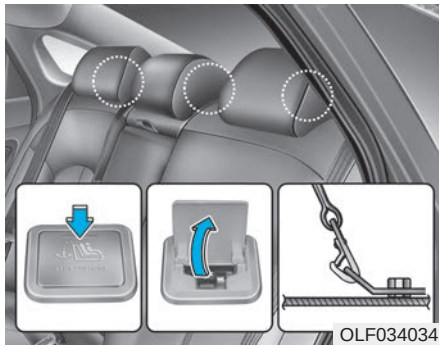
How to calculate the child restraint weight :

Child restraint weight =

65 lb (30 kg) - Child weight

DEP DEALER ePROCESS

Securing a child restraint seat with "Tether Anchor" system


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First secure the child restraint with the LATCH lower anchors or the seat belt. If the child restraint manufacturer recommends that the top tether strap be attached, attach and tighten the top tether strap to the top tether strap anchor.

Child restraint hook holders are located on the package tray.

⚠ WARNING

Take the following precautions when installing the tether strap:

- **Read and follow all installation instructions provided with your child restraint system.**
- **NEVER attach more than one child restraint to a single tether anchor. This could cause the anchor or attachment to come loose or break.**
- **Do not attach the tether strap to anything other than the correct tether anchor. It may not work properly if attached to something else.**
- **Do not use the tether anchors for adult seat belts or harnesses, or for attaching other items or equipment to the vehicle.**


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To install the tether anchor:

1. Route the child restraint tether strap over the child restraint seatback. Route the tether strap under the head restraint and between the head restraint posts, or route the tether strap over the top of the vehicle seatback. Make sure the strap is not twisted.
2. Connect the tether strap hook to the tether anchor, then tighten the tether strap according to the child seat manufacturer's instructions to firmly secure the child restraint to the seat.
3. Check that the child restraint is securely attached to the seat by pushing and pulling the seat forward and from side-to-side.

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DEALER ePROCESS

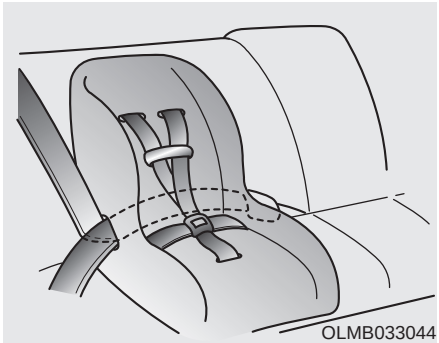
Securing a child restraint with a lap belt or lap/shoulder belt

When not using the LATCH system, all child restraints must be secured to a vehicle rear seat with the lap part of a lap/shoulder belt.

⚠ WARNING

ALWAYS place a rear-facing child restraint in the rear seat of the vehicle.

Placing a rear-facing child restraint in the front seat can result in serious injury or death if the child restraint is struck by an inflating air bag.


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Automatic locking mode

Since all passenger seat belts move freely under normal conditions and only lock under extreme or emergency conditions (emergency locking mode), you must manually pull the seat belt all the way out to shift the retractor to the "Automatic Locking" mode to secure a child restraint.

The "Automatic Locking" mode will help prevent the normal movement of the child in the vehicle from causing the seat belt to loosen and compromise the child restraint system. To secure a child restraint system, use the following procedure.

To install a child restraint system on the rear seats, do the following:

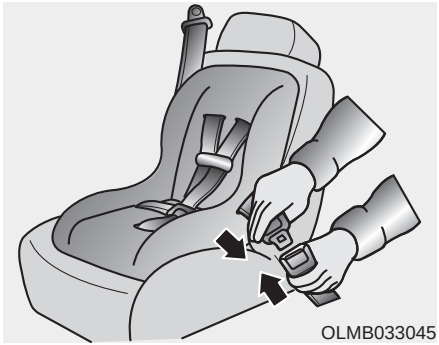
1. Place the child restraint system on a rear seat and route the lap/shoulder belt around or through the child restraint, following the restraint manufacturer's instructions.

 Be sure the seat belt webbing is not twisted.

NOTICE

When using the rear center seat belt, you should also refer to the "3-point Rear Center Seat Belt" section in this chapter.

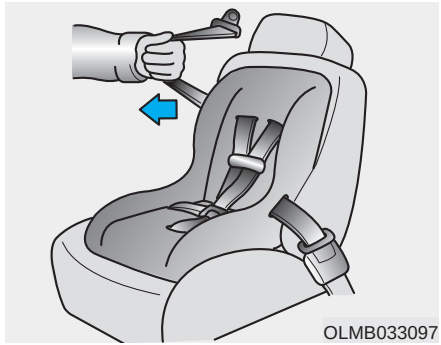
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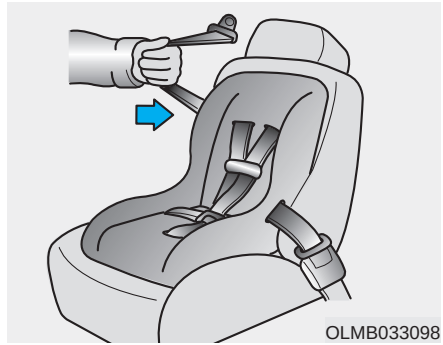
2. Fasten the lap/shoulder belt latch into the buckle. Listen for the distinct "click" sound.

Information

Position the release button so that it is easy to access in case of an emergency.


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3. Pull the shoulder portion of the seat belt all the way out. When the shoulder portion of the seat belt is fully extended, it will shift the retractor to the "Automatic Locking" (child restraint) mode.


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4. Slowly allow the shoulder portion of the seat belt to retract and listen for an audible "clicking" or "ratcheting" sound. This indicates that the retractor is in the "Automatic Locking" mode. If no distinct sound is heard, repeat steps 3 and 4.

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5. Remove as much slack from the belt as possible by pushing down on the child restraint system while feeding the shoulder belt back into the retractor.
6. Push and pull on the child restraint system to confirm that the seat belt is holding it firmly in place. If it is not, release the seat belt and repeat steps 2 through 6.
7. Double check that the retractor is in the "Automatic Locking" mode by attempting to pull more of the seat belt out of the retractor. If you cannot, the retractor is in the "Automatic Locking" mode.

If your CRS manufacturer instructs or recommends you to use a tether anchor with the lap/shoulder belt, refer to the previous pages for more information.

NOTICE

When the seat belt is allowed to retract to its fully stowed position, the retractor will automatically switch from the "Automatic Locking" mode to the emergency lock mode for normal adult usage.

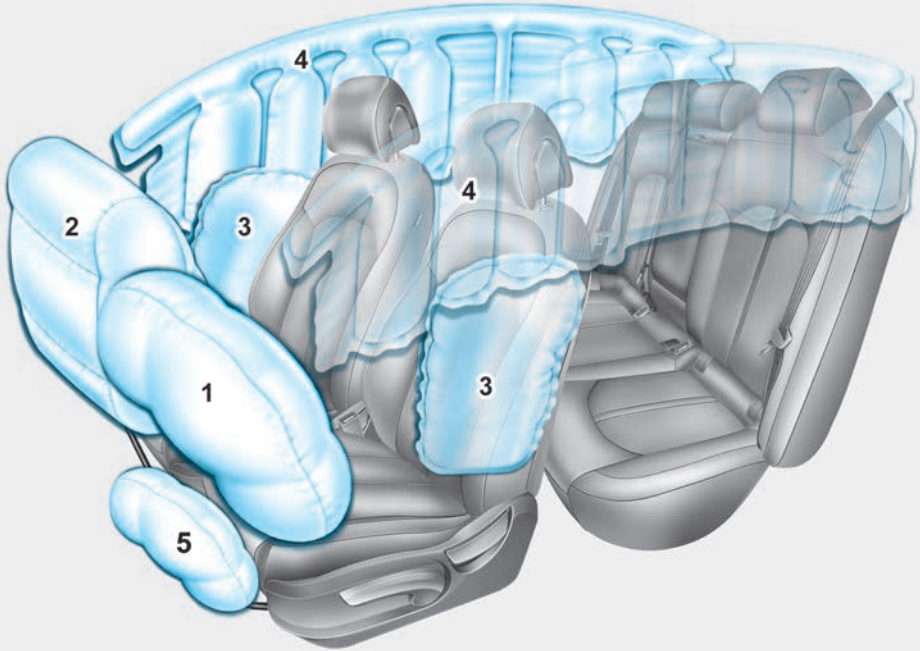
⚠ WARNING

If the retractor is not in the "Automatic Locking" mode, the child restraint can move when your vehicle turns or stops suddenly. A child can be seriously injured or killed if the child restraint is not properly anchored in the car, including manually pulling the seat belt all the way out to shift the rectractor to the "Automatic Locking" mode.

To remove the child restraint, press the release button on the buckle and then pull the lap/shoulder belt out of the restraint and allow the seat belt to retract fully.

DEP DEALER ePROCESS

AIR BAG - ADVANCED SUPPLEMENTAL RESTRAINT SYSTEM



1. Driver's front air bag
2. Passenger's front air bag
3. Side air bag
4. Curtain air bag
5. Driver's knee air bag

The actual air bags in the vehicle may differ from the illustration.

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This vehicle is equipped with an Advanced Supplemental Air Bag System for the driver's seat and front passenger's seats.

The front air bags are designed to supplement the three-point seat belts. For these air bags to provide protection, the seat belts must be worn at all times when driving.

You can be severely injured or killed in an accident if you are not wearing a seat belt. Air bags are designed to supplement seat belts, but do not replace them. Also, air bags are not designed to deploy in every collision. In some accidents, the seat belts are the only restraint protecting you.

⚠ WARNING

AIR BAG SAFETY PRECAUTIONS

ALWAYS use seat belts and child restraints - every trip, every time, everyone! Even with air bags, you can be seriously injured or killed in a collision if you are improperly belted or not wearing your seat belt when the air bag inflates.

NEVER place a child in any child restraint or booster seat in the front passenger seat. An inflating air bag could forcefully strike the infant or child causing serious or fatal injuries.

ABC - Always Buckle Children under age 13 in the back seat. It is the safest place for children of any age to ride. If a child age 13 or older must be seated in the front seat, he or she must be properly belted and the seat should be moved as far back as possible.

All occupants should sit upright with the seatback in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor until the vehicle is parked and the engine is turned off. If an occupant is out of position during an accident, the rapidly deploying air bag may forcefully contact the occupant causing serious or fatal injuries.

You and your passengers should never sit or lean unnecessarily close to the air bags or lean against the door or center console.

Move your seat as far back as possible from front air bags, while still maintaining control of the vehicle. The U.S. National Highway Traffic Safety Administration (NHTSA) recommends that drivers allow at least 10 inches (25 cm) between the center of the steering wheel and the chest.

DEP DEALER ePROCESS

Where Are the Air Bags?

Driver's and passenger's front air bags

Your vehicle is equipped with a Advanced Supplemental Restraint System (SRS) and lap/shoulder belts at both the driver and passenger seating positions.

The SRS consists of air bags which are located in the center of the steering wheel, in the driver's side lower crash pad below the steering wheel column and the passenger's side front panel pad above the glove box.

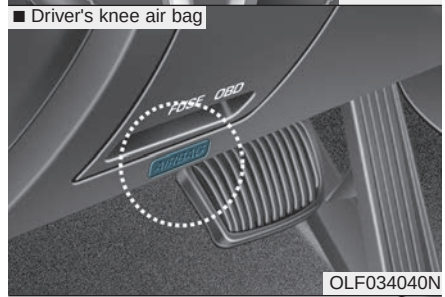
The air bags are labeled with the letters "AIR BAG" embossed on the pad covers.

■ Driver's front air bag



OLF037039

■ Driver's knee air bag



OLF034040N

■ Passenger's front air bag



OLF034041

The purpose of the SRS is to provide the vehicle's driver and front passengers with additional protection than that offered by the seat belt system alone. The SRS uses sensors to gather information about the driver's and front passenger's seat belt usage and impact severity.

The seat belt buckle sensors determine if the driver and front passenger's seat belts are fastened. These sensors provide the ability to control the SRS deployment based on whether or not the seat belts are fastened, and how severe the impact is.

The advanced SRS offers the ability to control the air bag inflation within two levels. A first stage level is provided for moderate-severity impacts. A second stage level is provided for more severe impacts.

According to the impact severity, and seat belt usage, the SRS Control Module (SRSCM) controls the air bag inflation. Failure to properly wear seat belts can increase the risk or severity of injury in an accident.

DEP
DEALER ePROCESS

⚠ WARNING

To reduce the risk of serious injury or death from an inflating front air bags, take the following precautions:

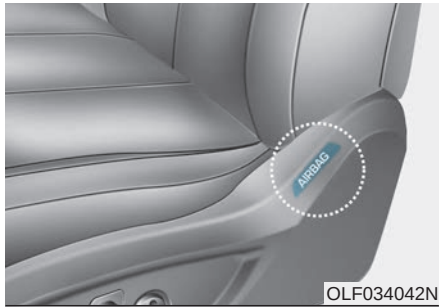
- **Seat belts must be worn at all times to help keep occupants positioned properly.**
- **Move your seat as far back as possible from front air bags, while still maintaining control of the vehicle.**
- **Never lean against the door or center console.**
- **Do not allow the front passenger to place their feet or legs on the dashboard.**

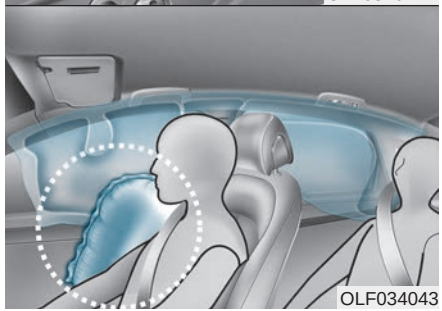
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- **No objects (such as crash pad cover, cellular phone holder, cup holder, perfume or stickers) should be placed over or near the air bag modules on the steering wheel, instrument panel, windshield glass, and the front passenger's panel above the glove box. Such objects could cause harm if the vehicle is in a crash severe enough to cause the air bags to deploy.**
- **Do not attach any objects on front windshield and inside mirror.**

Side air bags





Your vehicle is equipped with a side air bag in each front seat. The purpose of the air bag is to provide the vehicle's driver and the front passenger with additional protection than that offered by the seat belt alone.

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The side air bags are designed to deploy only during certain side impact collisions, depending on the crash severity, angle, speed and point of impact.

The side and curtain air bags on both sides of the vehicle may deploy if a rollover or possible rollover is detected.

The side air bags are not designed to deploy in all side impact or rollover situations.

⚠ WARNING

To reduce the risk of serious injury or death from an inflating side air bag, take the following precautions:

- **Seat belts must be worn at all times to help keep occupants positioned properly.**
- **Do not allow passengers to lean their heads or bodies onto doors, put their arms on the doors, stretch their arms out of the window, or place objects between the doors and seats.**
- **Hold the steering wheel at the 9 o'clock and 3 o'clock positions, to minimize the risk of injuries to your hands and arms.**
- **Do not use any accessory seat covers. This could reduce or prevent the effectiveness of the system.**
- **Do not place any objects over the air bag or between the air bag and yourself.**

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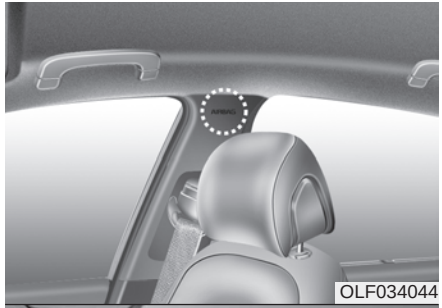
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Also, do not attach any objects around the area the air bag inflates such as the door, side door glass, front and rear pillar.

- **Do not place any objects between the door and the seat. They may become dangerous projectiles if the side air bag inflates.**
- **Do not install any accessories on the side or near the side air bags.**
- **Do not put any objects between the side air bag label and seat cushion. It could cause harm if the vehicle is in a crash severe enough to cause the air bags to deploy.**
- **Do not cause impact to the doors when the ignition switch is in the ON position or this may cause the side air bags to inflate.**
- **If the seat or seat cover is damaged, have the vehicle checked and repaired by an authorized HYUNDAI dealer.**

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Curtain air bags



Curtain air bags are located along both sides of the roof rails above the front and rear doors.

They are designed to help protect the heads of the front seat occupants and the rear outboard seat occupants in certain side impact collisions.

The curtain air bags are designed to deploy only during certain side impact collisions, depending on the crash severity, angle, speed and impact.

The side and curtain air bags on both sides of the vehicle may deploy if a rollover or possible rollover is detected.

The curtain air bags are not designed to deploy in all side impact or rollover situations.

⚠ WARNING

To reduce the risk of serious injury or death from an inflating curtain air bags, take the following precautions:

- **All seat occupants must wear seat belts at all times to help keep occupants positioned properly.**

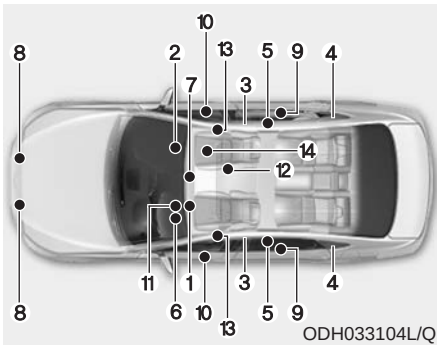
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- **Properly secure child restraints as far away from the door as possible.**
- **Do not place any objects over the air bag. Also, do not attach any objects around the area the air bag inflates such as the door, side door glass, front and rear pillar, roof side rail.**
- **Do not hang other objects except clothes, especially hard or breakable objects. In an accident, it may cause vehicle damage or personal injury.**
- **Do not allow passengers to lean their heads or bodies onto doors, put their arms on the doors, stretch their arms out of the window, or place objects between the doors and seats.**
- **Do not open or repair the side curtain air bags.**

DEP DEALER ePROCESS

How Does the Air Bag System Operate?



ODH033104L/Q

The SRS consists of the following components:

1. Driver's front air bag module
2. Passenger's front air bag module
3. Side air bag modules
4. Curtain air bag modules
5. Retractor pre-tensioner assemblies
6. Air bag warning light
7. SRS control module (SRSCM)/ Rollover sensor
8. Front impact sensors
9. Side impact sensors
10. Side pressure sensors
11. Driver's knee air bag module
12. Front passenger's seat belt buckle sensors
13. Anchor pre-tensioner
14. Occupant classification system

The SRSCM continually monitors all SRS components while the Engine Start/Stop button is in the ON position to determine if a crash impact is severe enough to require air bag deployment or pre-tensioner seat belt deployment.



SRS warning light

The SRS (Supplement Restraint System) air bag warning light on the instrument panel displays the air bag symbol depicted in the illustration. The system checks the air bag electrical system for malfunctions. The light indicates that there is a potential malfunction with your air bag system, which could include your side and curtain air bags used for rollover protection.

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⚠ WARNING

If your SRS malfunctions, the air bag may not inflate properly during an accident increasing the risk of serious injury or death.

If any of the following conditions occur, your SRS is malfunctioning:

- **The light does not turn on for approximately six seconds when the ignition switch is in the ON position.**
- **The light stays on after illuminating for approximately six seconds.**
- **The light comes on while the vehicle is in motion.**
- **The light blinks when the engine is running.**

Have an authorized HYUNDAI dealer inspect the SRS as soon as possible if any of these conditions occur.

During a frontal collision, sensors will detect the vehicle's deceleration. If the rate of deceleration is high enough, the control unit will inflate the front air bags.

The front air bags help protect the driver and front passenger by responding to frontal impacts in which seat belts alone cannot provide adequate restraint. When needed, the side air bags help provide protection in the event of a side impact or rollover.

- Air bags are activated (able to inflate if necessary) only when the ignition switch is in the ON position.
- Air bags inflate in the event of certain frontal or side collisions to help protect the occupants from serious physical injury.
- There is no single speed at which the air bags will inflate. Generally, air bags are designed to inflate based upon the severity of a collision and its direction. These two factors determine whether the sensors produce an electronic deployment/inflation signal.
- Air bag deployment depends on a number of factors including vehicle speed, angles of impact and the density and stiffness of the vehicles or objects which your vehicle impacts during a collision. The determining factors are not limited to those mentioned above.
- The front air bags will completely inflate and deflate in an instant. It is virtually impossible for you to see the air bags inflate during an accident. It is much more likely that you will simply see the deflated air bags hanging out of their storage compartments after the collision.
- In addition to inflating in certain side collisions, vehicles equipped with a rollover sensor, side and curtain air bags will inflate if the sensing system detects a rollover.

 When a rollover is detected, side and curtain air bags will remain inflated longer to help provide protection from ejection, especially when used in conjunction with the seat belts.

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- To help provide protection, the air bags must inflate rapidly. The speed of air bag inflation is a consequence of extremely short time in which to inflate the air bag between the occupant and the vehicle structures before the occupant impacts those structures. This speed of inflation reduces the risk of serious or life-threatening injuries and is thus a necessary part of air bag design.

 However, the rapid air bag inflation can also cause injuries which can include facial abrasions, bruises and broken bones because the inflation speed also causes the air bags to expand with a great deal of force.
- There are even circumstances under which contact with the air bag can cause fatal injuries, especially if the occupant is positioned excessively close to the air bag.

You can take steps to reduce the risk of being injured by an inflating air bag. The greatest risk is sitting too close to the air bag. An air bag needs about 10 inches (25 cm) of space to inflate. NHTSA recommends that drivers allow at least 10 inches (25 cm) between the center of the steering wheel and the chest.

⚠ WARNING

To reduce the risk of serious injury or death from an inflating air bag, take the following precautions:

- **NEVER place a child restraint in the front passenger seat.**

 Always properly restrain children under age 13 in the rear seats of the vehicle.
- **Adjust the front passenger's and driver's seats as far to the rear as possible while allowing you to maintain full control of the vehicle.**
- **Hold the steering wheel with hands at the 9 o'clock and 3 o'clock positions.**
- **Never place anything or anyone between the air bag and the seat occupant.**
- **Do not allow the front passenger to place their feet or legs on the dashboard.**

■ Driver's front air bag (1)



When the SRSCM detects a sufficiently severe impact to the front of the vehicle, it will automatically deploy the front air bags.

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■ Driver's front air bag (2)



Upon deployment, tear seams molded directly into the pad covers will separate under pressure from the expansion of the air bags. Further opening of the covers allows full inflation of the air bags.

A fully inflated air bag, in combination with a properly worn seat belt, slows the driver or the front passenger forward motion, reducing the risk of head and chest injury.

■ Driver's front air bag (3)



■ Passenger's front air bag



After complete inflation, the air bag immediately starts deflating, enabling the driver to maintain forward visibility and the ability to steer or operate other controls.

⚠ WARNING

To prevent objects from becoming dangerous projectiles when the passenger's air bag inflates:

- **Do not install or place any objects (drink holder, CD holder, stickers, etc.) on the front passenger's panel above the glove box where the passenger's air bag is located.**
- **Do not install a container of liquid air freshener near the instrument cluster or on the instrument panel surface.**

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What to Expect After an Air Bag Inflates

After a frontal or side air bag inflates, it will deflate very quickly. Air bag inflation will not prevent the driver from seeing out of the windshield or being able to steer. Curtain air bags may remain partially inflated for some time after they deploy.

⚠ WARNING

After an air bag inflates, take the following precautions:

- **Open your windows and doors as soon as possible after impact to reduce prolonged exposure to the smoke and powder released by the inflating air bag.**
- **Do not touch the air bag storage area's internal components immediately after an air bag has inflated. The parts that come into contact with an inflating air bag may be very hot.**

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- **Always wash exposed skin areas thoroughly with cold water and mild soap.**
- **Always have an authorized HYUNDAI dealer replace the air bag immediately after deployment. Air bags are designed to be used only once.**

Noise and smoke from inflating air bag

When the air bags inflate, they make a loud noise and may produce smoke and powder in the air inside of the vehicle. This is normal and is a result of the ignition of the air bag inflator. After the air bag inflates, you may feel substantial discomfort in breathing because of the contact of your chest with both the seat belt and the air bag, as well as from breathing the smoke and powder. The powder may aggravate asthma for some people. If you experience breathing problems after an air bag deployment, seek medical attention immediately.

Though the smoke and powder are nontoxic, they may cause irritation to the skin, eyes, nose, throat, etc. If this is the case, wash and rinse with cold water immediately and seek medical attention if the symptoms persist.

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Occupant Classification System (OCS)



OLF037083

Your vehicle is equipped with an Occupant Classification System (OCS) in the front passenger's seat.

Main components of the Occupant Classification System

- A detection device located within the front passenger seat cushion.
- Electronic system to determine whether the passenger air bag systems should be activated or deactivated.
- An indicator light located on the instrument panel which illuminates the words "PASSENGER AIR BAG OFF" indicating the front passenger air bag system is deactivated.
- The instrument panel air bag indicator light is interconnected with the OCS.

The OCS is designed to help detect the presence of a properly-seated front passenger and determine if the passenger's front air bag should be enabled (may inflate) or not.

The purpose is to help reduce the risk of injury or death from an inflating air bag to certain front passenger seat occupants, such as children, by requiring the air bag to be automatically turned OFF.

For example, if a child restraint of the type specified in the regulations is on the seat, the occupant classification sensor can detect it and cause the air bag to turn OFF.

Front passenger seat adult occupants who are properly seated and wearing the seat belt properly, should not cause the passenger air bag to be automatically turned OFF. For small adults it may be turned OFF, however, if the occupant does not sit in the seat properly (for example, by not sitting upright, by sitting on the edge of the seat, or by otherwise being out of position), this could cause the sensor to turn the air bag OFF.

You will find the "PASSENGER AIR BAG OFF" indicator on the center facia panel. This system detects the conditions 1-4 in the following table and activates or deactivates the front passenger air bag based on these conditions.

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Always be sure that you and all vehicle occupants are seated properly and wearing the seat belt properly for the most effective protection by the air bag and the seat belt.

The OCS may not function properly if the passenger takes actions which can affect the classification system. These include:

- Failing to sit in an upright position.
- Leaning against the door or center console.
- Sitting towards the sides of the front of the seat.
- Putting their legs on the dashboard or resting them on other locations which reduce the passenger weight on the front seat.
- Wearing the seat belt improperly.
- Reclining the seatback.
- Wearing a thick cloth like ski wear or hip protection wear.
- Putting an additional thick cushion on the seat.
- Putting electrical devices (e.g. notebook, satellite radio) on the seat with inverter charging.

Condition and operation in the front passenger Occupant Classification System

Condition detected by the occupant classification system	Indicator/Warning light		Devices
	"PASSENGER AIR BAG OFF" indicator light	SRS warning light	Front passenger air bag
1. Adult *1	Off	Off	Activated
2. Infant *2 or child restraint system with 12 months old *3 *4	On	Off	Deactivated
3. Unoccupied	On	Off	Deactivated
4. Malfunction in the system	Off	On	Activated

*1 The system judges a person of adult size as an adult. When a smaller adult sits in the front passenger seat, the system may recognize him/her as a child depending on his/her physique and posture.

*2 Do not allow children to ride in the front passenger seat. When a larger child who has outgrown a child restraint system sits in the front passenger seat, the system may recognize him/her as an adult depending upon his/her physique or sitting position.

*3 Never install a child restraint system on the front passenger seat.

*4 The PASSENGER AIR BAG "OFF" indicator may turn on or off when a child above 12 months to 12 years old (with or without child restraint system) sits in the front passenger seat. This is a normal condition.

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⚠ WARNING

Riding in an improper position or placing weight on the front passenger's seat when it is unoccupied by a passenger adversely affects the OCS. To reduce the risk of serious injury or death:



- **NEVER put a heavy load in the front seat or seatback pocket, or hang any items on the front passenger seat.**



- **NEVER ride with the seatback reclined when the vehicle is moving.**



- **NEVER place your feet on the front passenger seatback.**



- **NEVER place your feet or legs on the dashboard.**



- **NEVER sit with your hips shifted towards the front of the seat.**



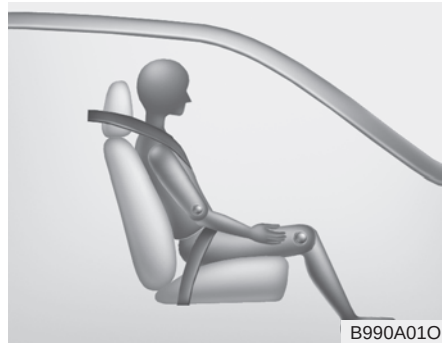
- **NEVER lean on the door or center console or sit on one side of the front passenger seat.**

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DEP DEALER ePROCESS

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- **Do not put an electronic device (ex. Laptop computer, after market DMB, navigation, satellite audio, video game machine, MP3, AC inverter, etc.) in the front passenger seatback pocket or on the front passenger seat.**
- **Do not place a sitting mat on the front passenger seat.**
- **Do not place any items under the front passenger seat.**
- **Do not place sharp objects on the front passenger seat. These may damage the occupant detection system, if they puncture the seat cushion.**
- **Avoid spilling liquids on the front seat; this may cause the OCS not to work properly. Keep the front seat dry at all times.**



Proper seated position for OCS

If the "PASSENGER AIR BAG OFF" indicator is on when an adult is seated in the front passenger seat, place the ignition switch in the LOCK/OFF position and ask the passenger to sit properly (sitting upright with the seat back in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor). Restart the engine and have the person remain in that position. This will allow the system to detect the person and to enable the passenger air bag. If the "PASSENGER AIR BAG OFF" indicator is still on, ask the passenger to move to the rear seat.

⚠ WARNING

Never allow an adult passenger to ride in the front passenger seat when the "PASSENGER AIR BAG OFF" indicator is illuminated. During a collision, the air bag will not inflate if the indicator is illuminated. Have your passenger reposition himself in the seat. If the "PASSENGER AIR BAG OFF" indicator remains illuminated after the passenger repositions himself properly and the vehicle is restarted, have the passenger move to the rear seat because the air bag will not inflate.

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NOTICE

The "PASSENGER AIR BAG OFF" indicator illuminates for approximately 4 seconds after the ignition switch is in the ON position or after the engine is started. If the front passenger seat is occupied, the OCS will then classify the front passenger after several more seconds.

Do Not Install a Child Restraint in the Front Passenger's Seat



1JBH3051

Even though your vehicle is equipped with the OCS, never install a child restraint in the front passenger's seat. An inflating air bag can forcefully strike a child or child restraint resulting in serious or fatal injury.

⚠ WARNING

- **NEVER place a rear-facing or front-facing child restraint in the front passenger's seat of the vehicle.**
- **An inflating frontal air bag could forcefully strike a child resulting in serious injury or death.**
- **Always properly restrain children in an appropriate child restraint in the rear seat of the vehicle.**

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Why Didn't My Air Bag Go Off in a Collision?

Air bags are not designed to inflate in every collision. There are certain types of accidents in which the air bag would not be expected to provide additional protection. These include rear impacts, second or third collisions in multiple impact accidents, as well as low speed impacts. Damage to the vehicle indicates a collision energy absorption, and is not an indicator of whether or not an air bag should have inflated.

Air bag collision sensors

⚠ WARNING

To reduce the risk of an air bag deploying unexpectedly and causing serious injury or death:

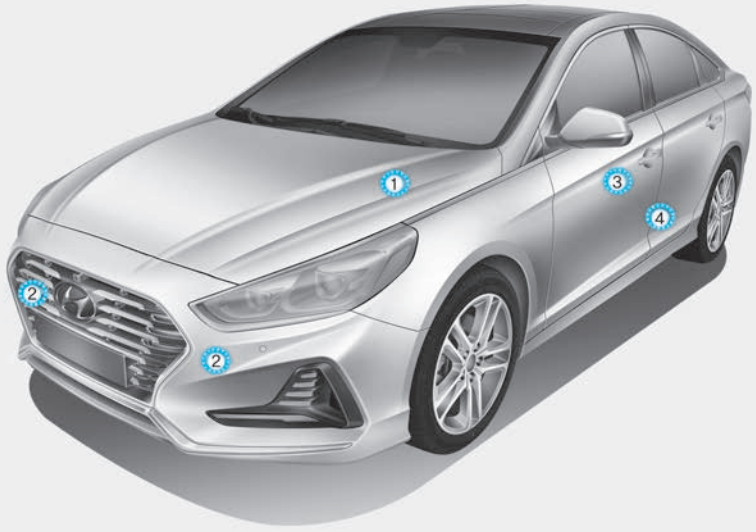
- **Do not hit or allow any objects to impact the locations where air bags or sensors are installed.**
- **Do not perform maintenance on or around the air bag sensors. If the location or angle of the sensors is altered, the air bags may deploy when they should not or may not deploy when they should.**
- **Do not install bumper guards or replace the bumper with a non-genuine HYUNDAI parts. This may adversely affect the collision and air bag deployment performance.**

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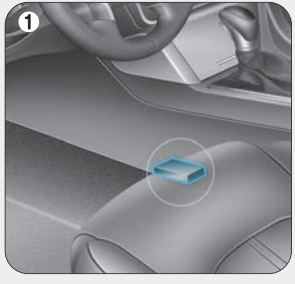
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- **Place the ignition switch in the LOCK/OFF or ACC position when the vehicle is being towed to prevent inadvertent air bag deployment.**
- **Have all air bag repairs conducted by an authorized HYUNDAI dealer.**

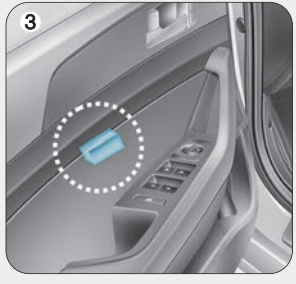
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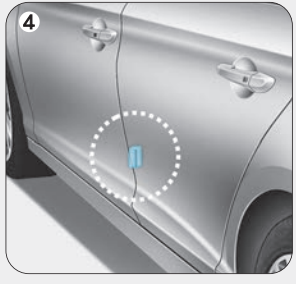


1. SRS control module/Rollover sensor
2. Front impact sensor
3. Side pressure sensor
4. Side impact sensor









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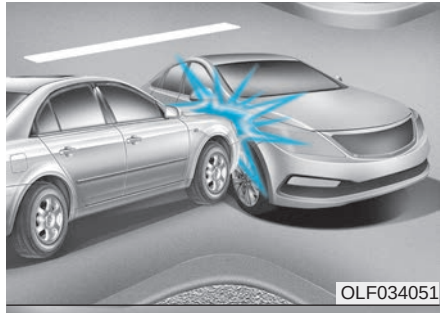
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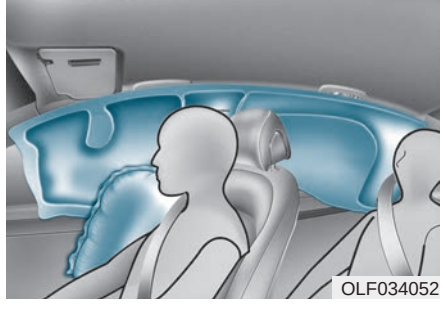
Air bag inflation conditions


OLF034050

Front air bags

Front air bags and the driver's knee air bag are designed to inflate in a frontal collision depending on the severity, speed, or angles of impact of the front collision.


OLF034051


OLF034052

Side and curtain air bags

Side and curtain air bags are designed to inflate when an impact is detected by side collision sensors depending on the severity, speed, or angles of impact resulting from a side impact collision.

Although the driver's and front passenger's air bags are designed to inflate only in frontal collisions, they also may inflate in other types of collisions if the front impact sensors detect a sufficient impact. Side and curtain air bags are designed to inflate only in side impact collisions or rollover situations, but they may inflate in other collisions if the side impact sensors detect a sufficient impact.

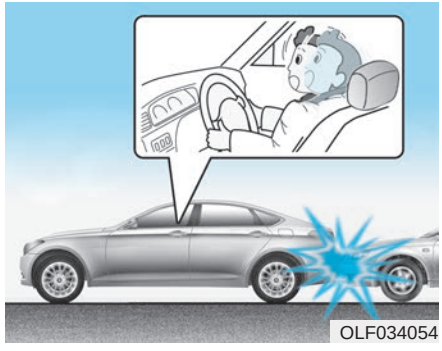
If the vehicle chassis is impacted by bumps or objects on unimproved roads, the air bags may deploy. Drive carefully on unimproved roads or on surfaces not designed for vehicle traffic to prevent unintended air bag deployment.

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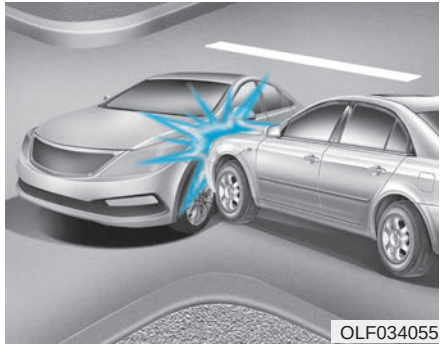
Air bag non-inflation conditions


OLF034053

In certain low-speed collisions the air bags may not deploy. The air bags are designed not to deploy in such cases because they may not provide benefits beyond the protection of the seat belts.


OLF034054

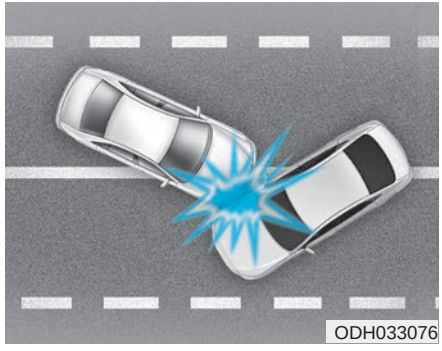
Front air bags are not designed to inflate in rear collisions, because occupants are moved backward by the force of the impact. In this case, inflated air bags would not provide any additional benefit.


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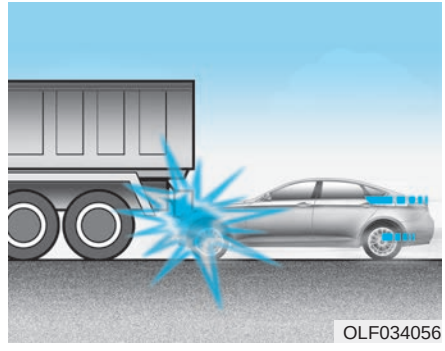
Front air bags may not inflate in side impact collisions, because occupants move in the direction of the collision, and thus in side impacts, front air bag deployment would not provide additional occupant protection.

However, side and curtain air bags may inflate depending on the severity, vehicle speed and angles of impact.

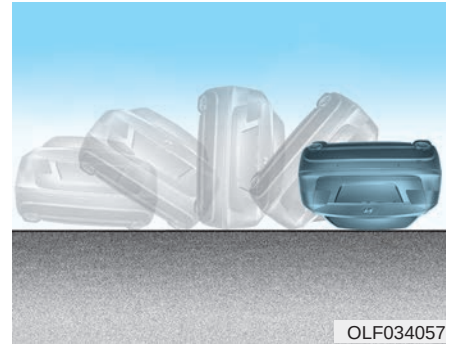
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In an angled collision, the force of impact may direct the occupants in a direction where the air bags would not be able to provide any additional benefit, and thus the sensors may not deploy any air bags.


OLF034056

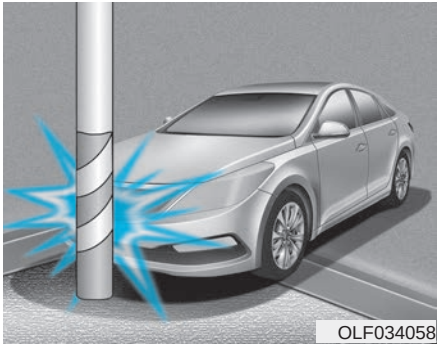
Just before impact, drivers often brake heavily. Such heavy braking lowers the front portion of the vehicle causing it to "ride" under a vehicle with a higher ground clearance. Air bags may not inflate in this "underride" situation because deceleration forces that are detected by sensors may be significantly reduced by such "underride" collisions.


OLF034057

Front air bags may not inflate in rollover accidents because air bag deployment could not provide protection to the occupants.

However, side and curtain air bags may inflate when the vehicle is rolled over by a side impact collision.

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Air bags may not inflate if the vehicle collides with objects such as utility poles or trees, where the point of impact is concentrated and the collision energy is absorbed by the vehicle structure.

SRS Care

The SRS is virtually maintenance-free and there are no parts you can safely service by yourself. If the SRS air bag warning light does not illuminate when the Engine Start/Stop button is in the ON position, or continuously remains on, have your vehicle immediately inspected by an authorized HYUNDAI dealer.

Any work on the SRS system, such as removing, installing, repairing, or any work on the steering wheel, the front passenger's panel, front seats and roof rails must be performed by an authorized HYUNDAI dealer. Improper handling of the SRS system may result in serious personal injury.

⚠ WARNING

To reduce the risk of serious injury or death, take the following precautions:

- **Do not attempt to modify or disconnect the SRS components or wiring, including the addition of any kind of badges to the pad covers or modifications to the body structure.**
- **Do not place objects over or near the air bag modules on the steering wheel, instrument panel, or the front passenger's panel above the glove box.**
- **Clean the air bag pad covers with a soft cloth moistened with plain water. Solvents or cleaners could adversely affect the air bag covers and proper deployment of the system.**
- **Always have inflated air bags replaced by an authorized HYUNDAI dealer.**

(Continued)

DEP DEALER ePROCESS

(Continued)

- **If components of the air bag system must be discarded, or if the vehicle must be scrapped, certain safety precautions must be observed. Consult an authorized HYUNDAI dealer for the necessary information. Failure to follow these precautions could increase the risk of personal injury.**

Additional Safety Precautions

Passengers should not move out of or change seats while the vehicle is moving. A passenger who is not wearing a seat belt during a crash or emergency stop can be thrown against the inside of the vehicle, against other occupants, or be ejected from the vehicle.

Do not use any accessories on seat belts. Devices claiming to improve occupant comfort or reposition the seat belt can reduce the protection provided by the seat belt and increase the chance of serious injury in a crash

Do not modify the front seats. Modification of the front seats could interfere with the operation of the supplemental restraint system sensing components or side air bags.

Do not place items under the front seats. Placing items under the front seats could interfere with the operation of the supplemental restraint system sensing components and wiring harnesses.

Do not cause impact to the doors. Impact to the doors when the Engine Start/Stop button is in the ON position may cause the air bags to inflate.

Modifications to accommodate disabilities. If you require modification to your vehicle to accommodate a disability, contact the HYUNDAI Customer Connect Center at 800-633-5151.

Adding equipment to or modifying your air bag equipped vehicle

If you modify your vehicle by changing your vehicle's frame, bumper system, front end or side sheet metal or ride height, this may affect the operation of your vehicle's air bag system.

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DEALER ePROCESS

Air Bag Warning Labels



OLF037059N/OLF037060N

Air bag warning labels, required by the U.S. National Highway Traffic Safety Administration (NHTSA), are attached to alert the driver and passengers of potential risks of the air bag system. Be sure to read all of the information about the air bags that are installed on your vehicle in this Owners Manual.

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ACCESSING YOUR VEHICLE

Remote Key (if equipped)



Your HYUNDAI uses a remote key, which you can use to lock or unlock a door (and trunk) and even start the engine.

1. Door Lock
2. Door Unlock
3. Trunk Open
4. Panic

Locking

To lock :

1. Close all doors, engine hood and trunk.
2. Press the Door Lock button (1) on the remote key.
3. The hazard warning lights will blink and the chime will sound once if the lock button is pressed once more within four seconds.
4. Make sure the doors are locked by checking the position of the door lock button inside the vehicle.

Information

After locking the doors, if you press the Door Lock button again within four seconds, the hazard warning lights will blink and the horn will sound one time to confirm that the doors are locked.

⚠ WARNING

Do not leave the keys in your vehicle with unsupervised children. Unattended children could place the key in the ignition switch and may operate power windows or other controls, or even make the vehicle move, which could result in serious injury or death.

DEP DEALER ePROCESS

Unlocking

To unlock:

1. Press the Door Unlock button (2) on the remote key.
2. The driver's door will unlock. The hazard warning lights will blink two times.

 If you press the Door Unlock button again within four seconds, then all the doors will unlock.

Information

After unlocking the doors, the doors will lock automatically after 30 seconds unless a door is opened.

Trunk opening

To open:

1. Press the Trunk Unlock button (3) on the remote key for more than one second.
2. The hazard warning lights will blink two times.

Once the trunk is opened and then closed, the trunk will lock automatically.

Information

The word "HOLD" is written on the button to inform you that you must press and hold the button for more than one second.

Panic button

Press the Panic button (4) for more than one second. The horn sounds and hazard warning lights flash for about 30 seconds.

To cancel the panic mode, press any button on the remote key.

Start-up

For more information, refer to the "Key Ignition Switch" section in chapter 5.

NOTICE

To prevent damaging the remote key:

- **Keep the remote key away from water or any liquid and fire. If the inside of the remote key gets damp (due to drinks or moisture), or is heated, internal circuit may malfunction, excluding the car from the warranty.**
- **Avoid dropping or throwing the remote key.**
- **Protect the remote key from extreme temperatures.**

DEP
DEALER ePROCESS

Mechanical key

If the remote key does not operate normally, you can lock or unlock the door by using the mechanical key.



OLF047001

Press the release button then the key will unfold automatically.

To fold the key, fold the key manually while pressing the release button.

Remote key precautions

The remote key will not work if any of the following occur:

- The key is in the ignition switch.
- You exceed the operating distance limit (about 90 feet [30 m]).
- The remote key battery is weak.
- Other vehicles or objects may be blocking the signal.
- The weather is extremely cold.
- The remote key is close to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the remote key.

When the remote key does not work correctly, open and close the door with the mechanical key. If you have a problem with the remote key contact an authorized HYUNDAI dealer.

If the remote key is in close proximity to your mobile phone, the signal could be blocked by your mobile phones normal operational signals. This is especially important when the phone is active such as making and receiving calls, text messaging, and/or sending/receiving emails.

Avoid placing the remote key and your mobile phone in the same pants or jacket pocket and always try to maintain an adequate distance between the two devices.

DEP DEALER ePROCESS

Information

This device complies with Part 15 of the FCC rules.

Operation is subject to the following three conditions:

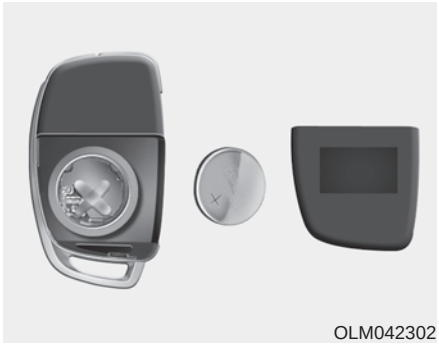
1. **This device may not cause harmful interference, and**
2. **This device must accept any interference received, including interference that may cause undesired operation.**
3. **Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.**

NOTICE

Keep the remote key away from electromagnetic materials that blocks electromagnetic waves to the key surface.

Battery replacement

If the remote key is not working properly, try replacing the battery with a new one.



OLM042302

Battery Type: CR2032

To replace the battery:

1. Pry open the rear cover of the remote key.
2. Remove the old battery and insert the new battery. Make sure the battery position is correct.
3. Reinstall the rear cover of the remote key.

If you suspect your remote key might have sustained some damage, or you feel your remote key is not working correctly contact an authorized HYUNDAI dealer.

Information

An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) and regulation.

DEP
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Smart Key (if equipped)

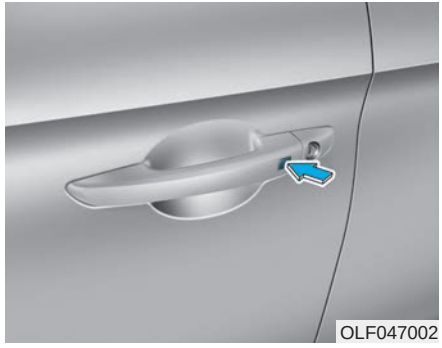


OLF044003/Q

Your HYUNDAI uses a Smart Key, which you can use to lock or unlock a door (and trunk) and even start the engine.

1. Door Lock
2. Door Unlock
3. Trunk Open
4. Panic

Locking


OLF047002

To lock :

1. Close all doors, engine hood and trunk.
2. Either press the door handle button or press the Door Lock button (1) on the smart key.
3. The hazard warning lights will blink and the chime will sound once.
4. Make sure the doors are locked by checking the position of the door lock button inside the vehicle.

Information

The door handle button will only operate when the smart key is within 28~40 inches (0.7~1 m) from the outside door handle.

Even though you press the outside door handle button, the doors will not lock and the chime will sound for three seconds if any of the following occur:

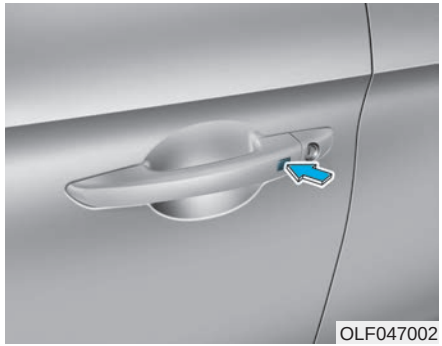
- The Smart Key is in the vehicle.
- The Engine Start/Stop button is in ACC or ON position.
- Any door except the trunk is open.

⚠ WARNING

Do not leave the Smart Key in your vehicle with unsupervised children. Unattended children could press the Engine Start/Stop button and may operate power windows or other controls, or even make the vehicle move, which could result in serious injury or death.

DEP DEALER ePROCESS

Unlocking


OLF047002

To unlock:

1. Carry the Smart Key.
2. Either press the driver's outside door handle button or press the Door Unlock button (2) on the smart key.
3. The driver's door will unlock. The hazard warning lights will blink two times.

 If you press the driver's outside door handle button or Door Unlock button on the smart key again within four seconds, then all the doors will unlock.

Information

- **The door handle button will only operate when the smart key is within 28~40 inches (0.7~1 m) from the outside door handle and other people can also open the doors.**
- **If you press the front passenger's outside door handle, while carrying the Smart Key, all doors will unlock.**
- **After unlocking the doors, the doors will lock automatically after 30 seconds unless a door is opened.**

Trunk opening

To open:

1. Carry the smart key.
2. Either press the trunk handle button or press and hold the Trunk Unlock button (3) on the smart key for more than one second.
3. The hazard warning lights will blink two times.

Once the trunk is opened and then closed, the trunk will lock automatically.

Information

The trunk handle button will only operate when the smart key is within 28 inches (0.7 m) from the trunk handle.

DEP
DEALER ePROCESS

Panic button

Press the Panic button (4) and hold for more than one second. The horn sounds and hazard warning lights blink for about 30 seconds. To cancel the panic mode, press any button on the Smart Key.

Start-up

You can start the engine without inserting the key.

For more information, refer to the "Engine Start/Stop Button" section in chapter 5.

NOTICE

To prevent damaging the smart key:

- **Keep the smart key away from water or any liquid and fire. If the inside of the smart key gets damp (due to drinks or moisture), or is heated, internal circuit may malfunction, excluding the car from the warranty.**
- **Avoid dropping or throwing the smart key.**
- **Protect the smart key from extreme temperatures.**

NOTICE

Always have the smart key with you when leaving the vehicle. If the smart key is left near the vehicle, the vehicle battery may be discharged.

Mechanical key

If the Smart Key does not operate normally, you can lock or unlock the door by using the mechanical key.



OLF044007

Press and hold the release button (1) and remove the mechanical key (2). Insert the mechanical key into the key hole on the door.

To reinstall the mechanical key, put the key into the hole and push it until a click sound is heard.

DEP
DEALER ePROCESS

Loss of a smart key

A maximum of two Smart Keys can be registered to a single vehicle. If you happen to lose your smart key, you should immediately take the vehicle and remaining keys to your authorized HYUNDAI dealer or tow the vehicle, if necessary.

Smart key precautions

The smart key will not work if any of the following occur:

- The smart key is close to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the transmitter.
- The smart key is near a mobile two way radio system or a cellular phone.
- Another vehicle's smart key is being operated close to your vehicle.

When the smart key does not work correctly, open and close the door with the mechanical key. If you have a problem with the smart key, contact an authorized HYUNDAI dealer.

If the smart key is in close proximity to your mobile phone, the signal could be blocked by your mobile phones normal operational signals. This is especially important when the phone is active such as making and receiving calls, text messaging, and/or sending/receiving emails. Avoid placing the smart key and your mobile phone in the same pants or jacket pocket and always try to maintain an adequate distance between the two devices.

⚠ CAUTION

Keep the smart key away from electromagnetic materials that blocks electromagnetic waves to the key surface.

i Information

This device complies with Part 15 of the FCC rules.

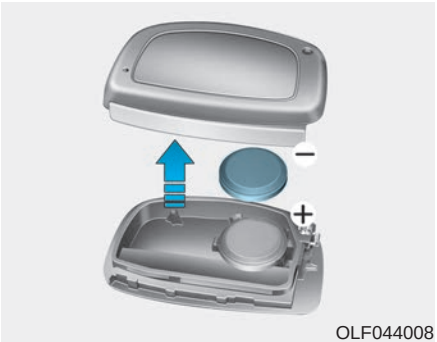
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3. **Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.**

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Battery replacement

If the Smart Key is not working properly, try replacing the battery with a new one.



Battery Type: CR2032

To replace the battery:

1. Pry open the rear cover of the smart key.
2. Remove the old battery and insert the new battery.
3. Reinstall the rear cover of the smart key.

If you suspect your smart key might have sustained some damage, or you feel your smart key is not working correctly, contact an authorized HYUNDAI dealer.

Information

An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) and regulation(s).

Immobilizer System

The immobilizer system protects your vehicle from theft. If an improperly coded key (or other device) is used, the engine's fuel system is disabled.

When the ignition switch is placed in the ON position, the immobilizer system indicator should come on briefly, then go off. If the indicator starts to blink, the system does not recognize the coding of the key.

Place the ignition switch to the LOCK/OFF position, then place the ignition switch to the ON position again.

The system may not recognize your key's coding if another immobilizer key or other metal object (i.e., key chain) is near the key. The engine may not start because the metal may interrupt the transponder signal from transmitting normally.

If the system repeatedly does not recognize the coding of the key, it is recommended that you contact your HYUNDAI dealer.

DEP DEALER ePROCESS

Do not attempt to alter this system or add other devices to it. Electrical problems could result that may make your vehicle inoperable.

⚠ WARNING

In order to prevent theft of your vehicle, do not leave spare keys anywhere in your vehicle. Your immobilizer password is a customer unique password and should be kept confidential.

NOTICE

The transponder in your key is an important part of the immobilizer system. It is designed to give years of trouble-free service, however you should avoid exposure to moisture, static electricity and rough handling. Immobilizer system malfunction could occur.

i Information

This device complies with Part 15 of the FCC rules.

Operation is subject to the following three conditions:

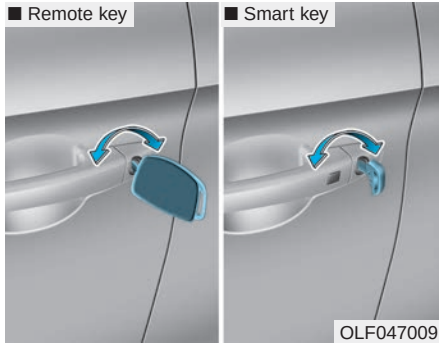
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DOOR LOCKS

Operating Door Locks from Outside the Vehicle

Mechanical key



If you lock the driver's door with a mechanical key, all vehicle doors will lock. If you unlock the driver's door with a mechanical key, the driver's door will unlock.

Once the doors are unlocked, they may be opened by pulling the door handle.

When closing the door, push the door by hand. Make sure that doors are closed securely.

Remote key



To lock the doors, press the Door Lock button (1) on the remote key.

Press the Door Unlock button (2) on the remote key, the driver's door will unlock. If you press the Door Unlock button on the remote key again within four seconds, then all the doors will unlock.

Once the doors are unlocked, they may be opened by pulling the door handle.

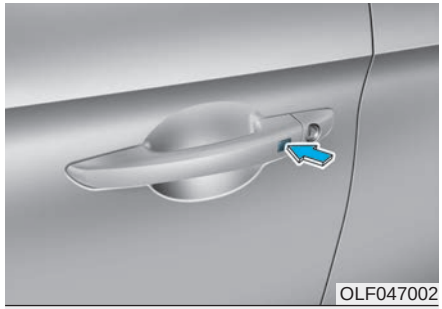
When closing the door, push the door by hand. Make sure that doors are closed securely.

Information

- **In cold and wet climates, door lock and door mechanisms may not work properly due to freezing conditions.**
- **If the door is locked/unlocked multiple times in rapid succession with either the vehicle key or door lock switch, the system may stop operating temporarily in order to protect the circuit and prevent damage to system components.**

DEP DEALER ePROCESS

Smart key



To lock the doors, press the button on the outside door handle while carrying the Smart Key with you or press the Door Lock button on the Smart Key.

Press the button on the driver's outside door handle while carrying the Smart Key with you or press the Door Unlock button on the Smart Key, the driver's door will unlock. If you press the button on the front passenger's outside door, all doors will unlock.

Once the doors are unlocked, they may be opened by pulling the door handle.

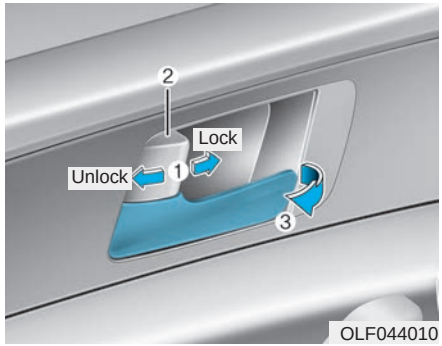
When closing the door, push the door by hand. Make sure that doors are closed securely.

Information

- **In cold and wet climates, door lock and door mechanisms may not work properly due to freezing conditions.**
- **If the door is locked/unlocked multiple times in rapid succession with either the vehicle key or door lock switch, the system may stop operating temporarily in order to protect the circuit and prevent damage to system components.**

Operating Door Locks from Inside the Vehicle

With the door lock button



- To unlock a door, push the door lock button (1) to the "Unlock" position. The red mark (2) on the door lock button will be visible.
- To lock a door, push the door lock button (1) to the "Lock" position. If the door is locked properly, the red mark (2) on the door lock button will not be visible.
- To open a door, pull the door handle (3) outward.

DEP
DEALER ePROCESS

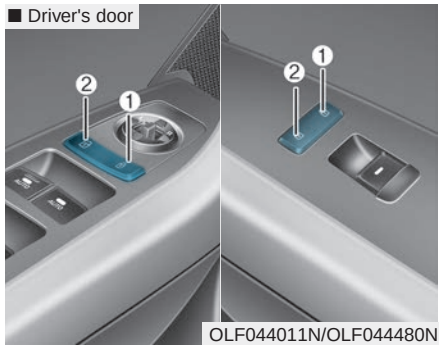
- If the inner door handle of the driver's (or front passenger's) door is pulled when the door lock button is in the lock position, the button is unlocked and door opens.
- Front doors cannot be locked if the key is in the ignition switch and any front door is open.
- Doors cannot be locked if the smart key is in the vehicle and any door is open.

Information

If a power door lock ever fails to function while you are in the vehicle try one or more of the following techniques to exit:

- **Operate the door unlock feature repeatedly (both electronic and manual) while simultaneously pulling on the door handle.**
- **Operate the other door locks and handles, front and rear.**
- **Lower a front window and use the mechanical key to unlock the door from outside.**

With the central door lock switch



OLF044011N/OLF044480N

When pressing the (🔒) switch (1), all vehicle doors will lock.

When pressing the (🔓) switch (2), all vehicle doors will unlock.

If the key is in the ignition switch and any door is opened, the doors will not lock even though the lock button (1) of the central door lock switch is pressed.

If the smart key is in the vehicle and any door is opened, the doors will not lock even though the lock button (1) of the central door lock switch is pressed.

⚠ WARNING

- **The doors should always be fully closed and locked while the vehicle is in motion. If the doors are unlocked, the risk of being thrown from the vehicle in a crash is increased.**
- **Do not pull the inner door handle of the driver's or passenger's door while the vehicle is moving.**

⚠ WARNING

Do not leave children or animals unattended in your vehicle. An enclosed vehicle can become extremely hot, causing death or serious injury to unattended children or animals who cannot escape the vehicle. Children might operate features of the vehicle that could injure them, or they could encounter other harm, possibly from someone gaining entry to the vehicle.

DEP DEALER ePROCESS

⚠ WARNING

Always secure your vehicle.

Leaving your vehicle unlocked increases the potential risk to you or others from someone hiding in your vehicle.

To secure your vehicle, while depressing the brake, move the shift lever to the P (Park) position, engage the parking brake, and place the ignition switch in the LOCK/OFF position, close all windows, lock all doors, and always take the key with you.

⚠ WARNING

If you stay in the vehicle for a long time while the weather is very hot or cold, there are risks of injuries or danger to life. Do not lock the vehicle from the outside when someone is in the vehicle.

⚠ CAUTION

Opening a door when something is approaching may cause damage or injury. Be careful when opening doors and watch for vehicles, motorcycles, bicycles or pedestrians approaching the vehicle in the path of the door.

Auto Door Lock/Unlock Features

Impact sensing door unlock system

All doors will be automatically unlocked when an impact causes the air bags to deploy.

Speed sensing door lock system

All doors will be automatically locked when vehicle speed exceeds 9 mph (15 km/h).

All of the doors will be automatically unlocked after the engine is turned off.

Shift lever auto door lock

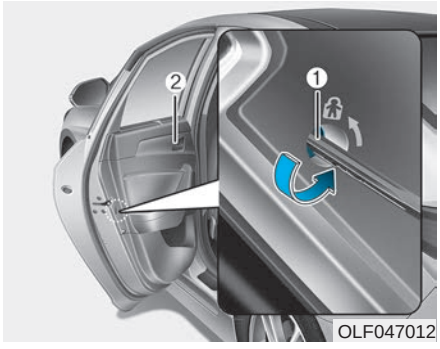
All doors will be automatically locked when shifting the shift lever out of P (Park) with the engine running.

You can activate or deactivate the Auto Door Lock/Unlock features from the User Settings Mode on the LCD display.

For more information, refer to the "LCD Display" section in this chapter.

DEP
DEALER ePROCESS

Child-Protector Rear Door locks



The child safety lock is provided to help prevent children seated in the rear from accidentally opening the rear doors. The rear door safety locks should be used whenever children are in the vehicle.

The child safety lock is located on the edge of each rear door. When the child safety lock is in the lock (1) position, the rear door will not open if the inner door handle (2) is pulled.

To lock the child safety lock, insert a screwdriver into the hole and turn it to the lock position.

To allow a rear door to be opened from inside the vehicle, unlock the child safety lock.

⚠ WARNING

If children accidently open the rear doors while the vehicle is in motion, they could fall out of the vehicle. The rear door safety locks should always be used whenever children are in the vehicle.

DEP DEALER ePROCESS

THEFT-ALARM SYSTEM

This system helps to protect your vehicle and valuables. The horn will sound and the hazard warning lights will blink continuously if any of the following occurs:

- A door is opened without using the remote key or smart key.
- The trunk is opened without using the remote key or smart key.
- The engine hood is opened.

The alarm continues for 30 seconds, then the system resets. To turn off the alarm, unlock the doors with the remote key or smart key.

The Theft Alarm System automatically sets 30 seconds after you lock the doors and the trunk. For the system to activate, you must lock the doors and the trunk from outside the vehicle with the remote key or smart key or by pressing the button on the outside of the door handles with the smart key in your possession.

The hazard warning lights will blink and the chime will sound once to indicate the system is armed.

Once the security system is set, opening any door, the trunk, or the hood without using the remote key or smart key will cause the alarm to activate.

The Theft Alarm System will not set if the hood, the trunk, or any door is not fully closed. If the system will not set, check the hood, the trunk, or the doors are fully closed.

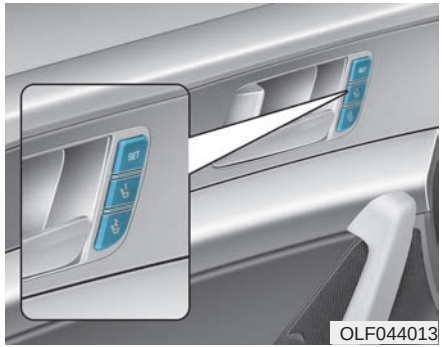
Do not attempt to alter this system or add other devices to it.

Information

- **Do not lock the doors until all passengers have left the vehicle. If the remaining passenger leaves the vehicle when the system is armed, the alarm will be activated.**
- **If the vehicle is not disarmed with the remote key or smart key, open the doors by using the mechanical key and place the ignition switch in the ON position (for remote key) or start the engine (for smart key) by directly pressing the ignition switch with the smart key.**
- **When the system is disarmed but a door or trunk is not opened within 30 seconds, the system will be rearmed.**

DEP
DEALER ePROCESS

DRIVER POSITION MEMORY SYSTEM (IF EQUIPPED)



OLF044013

The Driver Position Memory System is provided to store and recall the following memory settings with a simple button operation.

- Driver's seat position
- Side view mirror position
- Instrument panel illumination intensity

If the battery is disconnected, the position memory will be lost and the driving positions must be stored in the system again.

If the Driver Position Memory System does not operate normally, have the system checked by an authorized HYUNDAI dealer.

⚠ WARNING

Never attempt to operate the driver position memory system while the vehicle is moving.

This could result in loss of control, and an accident causing death, serious injury, or property damage.

Storing Positions into Memory

1. Check that the shift lever is in P (Park) while the ignition switch is in the ON position.
2. Adjust the driver's seat position, side view mirror position and instrument panel illumination intensity to positions comfortable for the driver.
3. Press the SET button. The system will beep once and notify you "Press button to save settings"on the LCD display.
4. Press one of the memory buttons (1 or 2) within 5 seconds. The system will beep twice when the memory has been successfully stored.
5.



OLF047403N/OLF047404N

"Driver 1 (or 2) settings saved" will appear on the LCD display.

DEP DEALER ePROCESS

Recalling positions from memory

1. Check that the shift lever is in P (Park) while the ignition switch is in the ON position.
2. Press the desired memory button (1 or 2). The system will beep once, and then the driver's seat position, side view mirror position and instrument panel illumination intensity will automatically adjust to the stored positions.
3.



OLF047401N/OLF047402N

"Driver 1(or 2) settings is applied" will appear on the LCD display.

NOTICE

- **While recalling the "1" memory position, pressing the SET or 1 button temporarily stops the adjustment of the recalled memory position. Pressing the 2 button recalls the "2" memory position.**
- **While recalling the "2" memory position, pressing the SET or 2 button temporarily stops the adjustment of the recalled memory position. Pressing the 1 button recalls the "1" memory position.**
- **While recalling the stored positions, pressing one of the control buttons for the driver's seat, side view mirror or instrument panel illumination will cause the movement of that component to stop and move in the direction that the control button is pressed.**

Easy Access Function

When exiting the vehicle the driver's seat will move rearward when the engine is turned off and the shift lever in P (Park).

When entering the vehicle the driver's seat will move forward when the ignition switch is placed to the ACC position.

You can activate or deactivate the Easy Access Function from the User Settings Mode on the LCD display.

For more information, refer to the "LCD Display" section in this chapter.

DEP
DEALER ePROCESS

STEERING WHEEL

Electric Power Steering (EPS)

The system assists you with steering the vehicle. If the engine is turned off or if the power steering system becomes inoperative, you may still steer the vehicle, but it will require increased steering effort.

Should you notice any change in the effort required to steer during normal vehicle operation, have the system checked by an authorized HYUNDAI dealer.

⚠ CAUTION

If the Electric Power Steering System does not operate normally, the warning light (⊖!) will illuminate on the instrument cluster. You may steer the vehicle, but it will require increased steering efforts. Take your vehicle to an authorized HYUNDAI dealer and have the system checked as soon as possible.

i Information

The following symptoms may occur during normal vehicle operation:

- **The steering effort may be high immediately after placing the ignition switch in the ON position.**

 This happens as the system performs the EPS system diagnostics. When the diagnostics is completed, the steering wheel will return to its normal condition.
- **A click noise may be heard from the EPS relay after the ignition switch is in the ON or OFF position.**
- **Motor noise may be heard when the vehicle is at a stop or at a low driving speed.**
- **When you operate the steering wheel in low temperature, abnormal noise may occur. If temperature rises, the noise will disappear. This is a normal condition.**

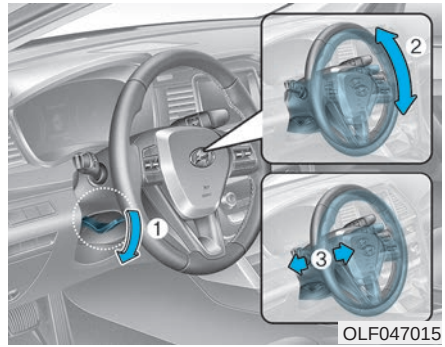
DEP DEALER ePROCESS

Tilt Steering / Telescope Steering

Adjust the steering wheel so it points toward your chest, not toward your face. Make sure you can see the instrument panel warning lights and gauges. After adjusting, push the steering wheel both up and down to be certain it is locked in position. Always adjust the position of the steering wheel before driving.

⚠ WARNING

NEVER adjust the steering wheel while driving. This may cause loss of vehicle control resulting in an accident.



OLF047015

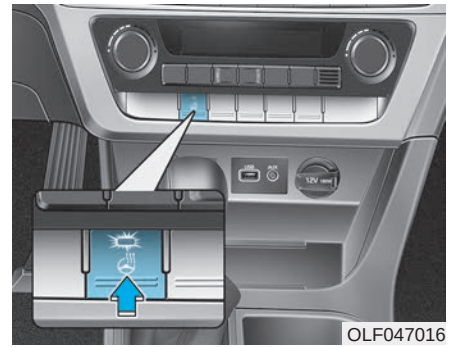
To change the steering wheel angle and height:

1. Pull down the lock-release lever (1).
2. Adjust the steering wheel to the desired angle (2) and height (3).
3. Pull up the lock-release lever to lock the steering wheel in place.

i Information

After adjustment, sometimes the lock release lever may not lock the steering wheel. It is not a malfunction. This occurs when two gears are not engaged correctly. In this case, adjust the steering wheel again and then lock the steering wheel.

Heated Steering Wheel (if equipped)


OLF047016

When the ignition switch is in the ON position or when the engine is running, press the heated steering wheel button to warm the steering wheel. The indicator on the button will illuminate.

DEP
DEALER ePROCESS

To turn the heated steering wheel off, press the button again. The indicator on the button will turn off.

The heated steering wheel will automatically turn off after approximately 30 minutes.

NOTICE

Do not install any cover or accessory on the steering wheel. The cover or accessory could cause damage to the heated steering wheel system.

Horn



OLF047018

To sound the horn, press the area indicated by the horn symbol on your steering wheel (see illustration). The horn will operate only when this area is pressed.

NOTICE

Do not strike the horn severely to operate it, or hit it with your fist. Do not press on the horn with a sharp-pointed object.

DEP DEALER ePROCESS

MIRRORS

Inside Rearview Mirror

Before you start driving, adjust the rearview mirror to the center on the view through the rear window.

⚠ WARNING

Make sure your line of sight is not obstructed. Do not place objects in the rear seat, cargo area, or behind the rear head-rests which could interfere with your vision through the rear window.

⚠ WARNING

To prevent serious injury during an accident or deployment of the air bag, do not modify the rearview mirror and do not install a wide mirror.

⚠ WARNING

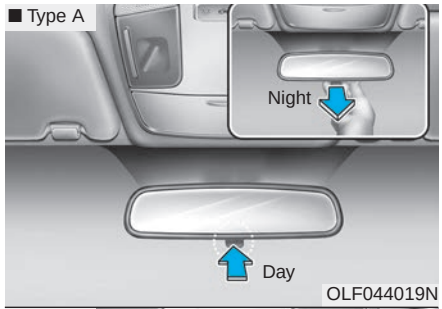
NEVER adjust the mirror while driving. This may cause loss of vehicle control resulting in an accident.

NOTICE

When cleaning the mirror, use a paper towel or similar material dampened with glass cleaner. Do not spray glass cleaner directly on the mirror as that may cause the liquid cleaner to enter the mirror housing.

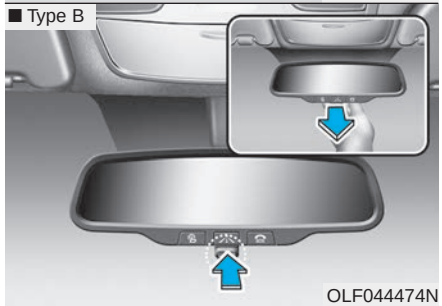
Day/night rearview mirror (if equipped)

■ Type A



OLF044019N

■ Type B



OLF044474N

Make this adjustment before you start driving and while the day/night lever is in the day position.

DEP
DEALER ePROCESS

Pull the day/night lever toward you to reduce glare from the headlights of the vehicles behind you during night driving.

Remember that you lose some rearview clarity in the night position.

Blue Link® center (if equipped)



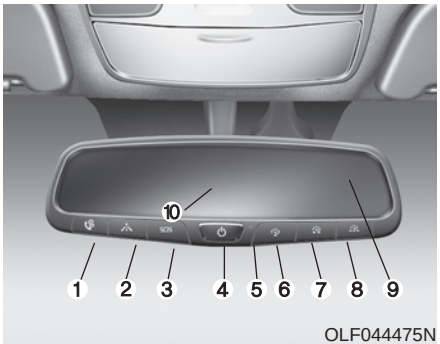
OLF044021

For details, refer to the Blue Link® Owner's Guide, Navigation Manual or Audio Manual.

Electric chromic mirror (ECM) with HomeLink® system, compass and Blue Link® (for U.S.A)

Your vehicle may be equipped with a Gentex Automatic-Dimming Mirror with a Z-Nav™ Electronic Compass Display and an Integrated HomeLink® Wireless Control System. During nighttime driving, this feature will automatically detect and reduce rearview mirror glare while the compass indicates the direction the vehicle is pointed. The HomeLink® Universal Transceiver allows you to activate your garage door(s), electric gate, home lighting, etc.

DEP DEALER ePROCESS



OLF044475N

(1) Telematics button
(2) Telematics button
(3) Telematics button
(4) Compass control button & Dimming ON/OFF button
(5) Status indicator LED
(6) Channel 1 button
(7) Channel 2 button
(8) Channel 3 button
(9) Compass display
(10) Rear light sensor

Automatic-Dimming Night Vision Safety™ (NVS®) Mirror (if equipped)

The NVS® Mirror automatically reduces glare by monitoring light levels in the front and the rear of the vehicle. Any object that obstructs either light sensor will degrade the automatic dimming control feature.

For more information regarding NVS® mirrors and other applications, please refer to the Gentex website:

www.gentex.com

Your mirror will automatically dim upon detecting glare from the vehicles traveling behind you. The auto-dimming function can be controlled by pressing the Dimming ON/OFF button:

1. Pressing and holding the ⏻ button for 3 seconds turns the auto-dimming function OFF which is indicated by the green Status Indicator LED turning off.
2. Pressing and holding the ⏻ button for 3 seconds again turns the auto-dimming function ON which is indicated by the green Status Indicator LED turning on.

The mirror defaults to the ON position each time the vehicle is started.

Z-Nav™ Compass Display

The NVS™ Mirror in your vehicle is also equipped with a Z-Nav™ Compass that shows the vehicle Compass heading in the Display Window using the 8 basic cardinal headings (N, NE, E, SE, etc.).

DEP
DEALER ePROCESS

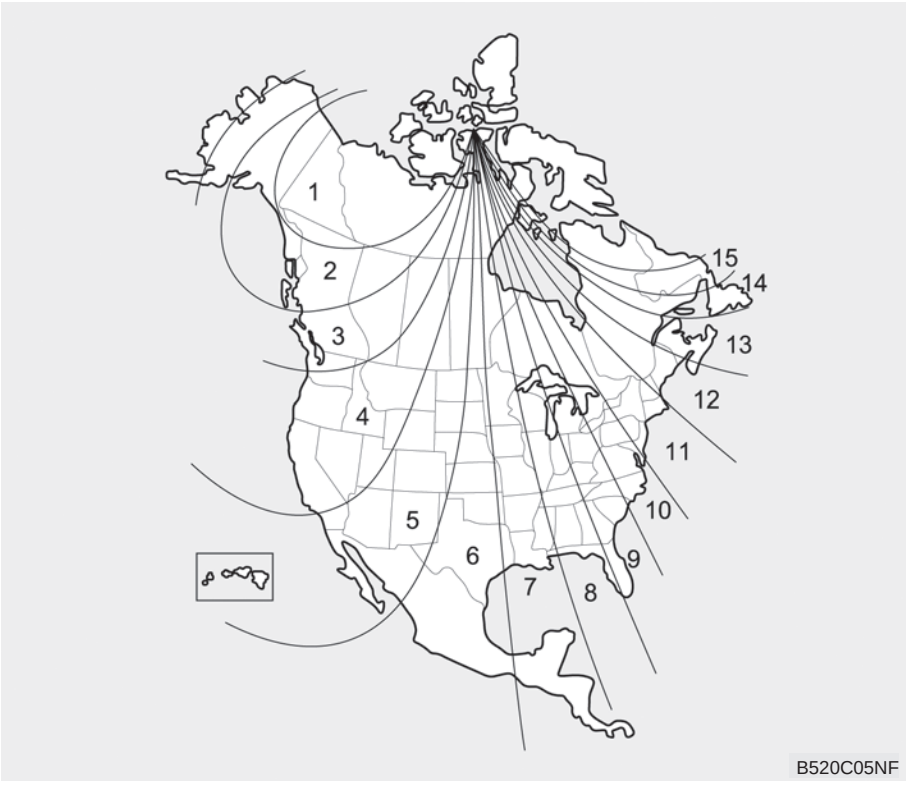
Compass function

The Compass can be turned ON and OFF and will remember the last state when the ignition is cycled. To turn the display feature ON/OFF:

1. Press and release the ⏻ button within 1 second to turn the display feature OFF.
2. Press and release the ⏻ button again within 1 second to turn the display back ON.

Additional options can be set with press and hold sequences of the ⏻ button and are detailed below.

There is a difference between magnetic north and true north. To compensate for this difference you will need to adjust the Zone setting based on where you live.



DEP
DEALER ePROCESS

To adjust the Zone setting:

1. Determine the desired Zone Number based upon your current location on the Zone Map.
2. Press and hold the ⏻ button for 6 seconds, the current Zone Number will appear on the display.
3. Pressing and holding the ⏻ button again will cause the numbers to increment (Note: they will repeat …13, 14, 15, 1, 2, …). Releasing the button when the desired Zone Number appears on the display will set the new Zone.
4. Within about 5 seconds the compass will start displaying a compass heading again.

There are some conditions that can cause changes to the vehicle magnets, such as installing a ski rack or a CB antenna. Body repair work on the vehicle can also cause changes to the vehicle's magnetic field. In these situations, the compass will need to be re-calibrated to quickly correct these changes.

If you need to recalibrate the compass:

1. Press and hold the ⏻ button for more than 9 seconds. When the compass memory is cleared a "C" will appear in the display.
2. Drive the vehicle in 2 complete circles at less than 5 mph (8 km/h).

Integrated HomeLink® Wireless Control System

The HomeLink® Wireless Control System can replace up to three hand-held radio-frequency (RF) transmitters with a single built-in device. This innovative feature will learn the radio frequency codes of most current transmitters to operate devices such as gate operators, garage door openers, entry door locks, security systems, even home lighting. Both standard and rolling code-equipped transmitters can be programmed by following the outlined procedures.

Additional HomeLink® information can be found at: www.homelink.com or by calling 1-800-355-3515.

Retain the original transmitter of the RF device you are programming for use in other vehicles as well as for future HomeLink® programming. It is also suggested that upon the sale of the vehicle, the programmed HomeLink® buttons be erased for security purposes.

DEP
DEALER ePROCESS

⚠ WARNING

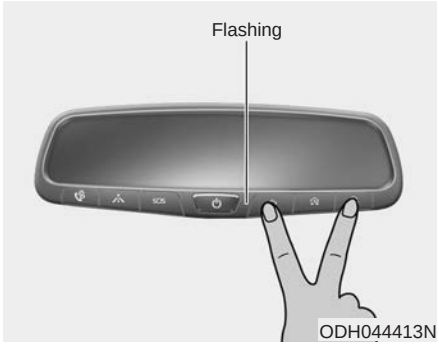
Before programming HomeLink® to a garage door opener or gate operator, make sure people and objects are out of the way of the device to prevent potential harm or damage. Do not use the HomeLink® with any garage door opener that lacks the safety stop and reverse features required by U.S. federal safety standards (this includes any garage door opener model manufactured before April 1, 1982). A garage door that cannot detect an object - signaling the door to stop and reverse - does not meet current U.S. federal safety standards. Using a garage door opener without these features increases the risk of serious injury or death.

Programming HomeLink®

Please note the following:

- When programming a garage door opener, it is advised to park the vehicle outside of the garage.
- It is recommended that a new battery be placed in the hand-held transmitter of the device being programmed to HomeLink® for quicker training and accurate transmission of the radio-frequency signal.
- Some vehicles may require the ignition switch to be placed in the ACC (or "Accessories") position for programming and/or operation of HomeLink®.
- In the event that there are still programming difficulties or questions after following the programming steps listed below, contact HomeLink® at: www.homelink.com or by calling 1-800-355-3515.

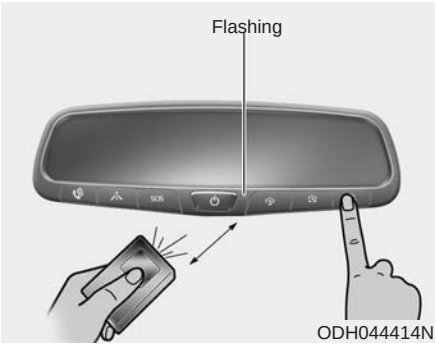
Programming



To train most devices, follow these instructions:

1. For first-time programming, press and hold the two outside buttons (,), HomeLink® Channel 1 and Channel 3, until the indicator light begins to flash (after 10 seconds). Release both buttons. Do not hold the buttons for longer than 20 seconds.

DEP DEALER ePROCESS



2. Position the end of your hand-held transmitter 1-3 inches (2-8 cm) away from the HomeLink® button you wish to program while keeping the indicator light in view.
3. Simultaneously press and hold both the HomeLink® and hand-held transmitter buttons until the HomeLink® indicator light changes from a slow to a rapid blinking light. Now you may release both the HomeLink® and hand-held transmitter buttons.

Information

Some devices may require you to replace this Programming step 3 with procedures noted in the "Gate Operator/Canadian Programming" chapter. If the HomeLink® indicator light does not change to a rapidly blinking light after performing these steps, contact HomeLink® at www.homelink.com.

4. Firmly press, hold for 5 seconds and release the programmed HomeLink® button up to two separate times to activate the door. If the door does not activate, press and hold the just-trained HomeLink® button and observe the indicator light.
 - If the indicator light stays on constantly, programming is complete and your device should activate when the HomeLink® button is pressed and released.
 - If the indicator light blinks rapidly for 2 seconds and then turns to a constant light, continue with "Programming" steps 5-7 to complete the programming of a rolling code equipped device (most commonly a garage door opener).
5. At the garage door opener receiver (motor-head unit) in the garage, locate the "learn" or "smart" button. This can usually be found where the hanging antenna wire is attached to the motor-head unit.

DEP
DEALER ePROCESS

6. Firmly press and release the "learn" or "smart" button. (The name and color of the button vary by manufacturer). There are 30 seconds to initiate step 7.
7. Return to the vehicle and firmly press, hold for 2 seconds and release the programmed HomeLink® button. Repeat the "press/hold/release" sequence a second time, and, depending on the brand of the garage door opener (or other rolling code equipped device), repeat this sequence a third time to complete the programming process.

HomeLink® should now activate your rolling code equipped device.

Gate operator & Canadian programming

During programming, your handheld transmitter may automatically stop transmitting. Continue to press the Integrated HomeLink® Wireless Control System button (note steps 2 through 3 in the Programming portion of this document) while you press and re-press ("cycle") your handheld transmitter every two seconds until the frequency signal has been learned. The indicator light will flash slowly and then rapidly after several seconds upon successful training.

Operating HomeLink®

To operate, simply press and release the programmed HomeLink® button. Activation will now occur for the trained device (i.e. garage door opener, gate operator, security system, entry door lock, home/office lighting, etc.). For convenience, the hand-held transmitter of the device may also be used at any time.

Reprogramming a single HomeLink® button

To program a device to HomeLink® using a HomeLink® button previously trained, follow these steps:

1. Press and hold the desired HomeLink® button. DO NOT release the button.
2. The indicator light will begin to flash after 20 seconds. Without releasing the HomeLink® button, proceed with "Programming" step 2.

For questions or comments, contact HomeLink® at www.homelink.com or 1-800-355-3515.

DEP DEALER ePROCESS

Erasing HomeLink® buttons

Individual buttons cannot be erased. However, to erase all three programmed buttons:

1. Press and hold the two outer HomeLink® buttons until the indicator light begins to flash after 10 seconds.
2. Release both buttons. Do not hold for longer than 20 seconds.

The Integrated HomeLink® Wireless Control System is now in the training (learn) mode and can be programmed at any time following the appropriate steps in the Programming chapters above.

NVS® is a registered trademark and Z-Nav™ is a trademark of the Gentex Corporation, Zeeland, Michigan. HomeLink® is a registered trademark owned by Johnson Controls, Incorporated, Milwaukee, Wisconsin.

FCC ID: NZLTLMHL4

IC: 4112A-TLMHL4

Information

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following three conditions:

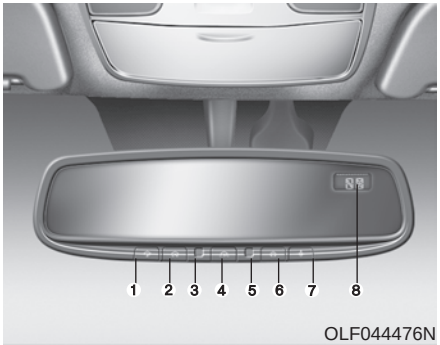
1. **This device may not cause harmful interference, and**
2. **This device must accept any interference received, including interference that may cause undesired operation.**
3. **The transceiver has been tested and complies with FCC and Industry Canada rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.**

Electric chromic mirror (ECM) with compass and HomeLink® system (for Canada)

Your vehicle may be equipped with a Gentex Automatic-Dimming Mirror with a Z-Nav™ Electronic Compass Display and an Integrated HomeLink® Wireless Control System.

During nighttime driving, this feature will automatically detect and reduce rearview mirror glare while the compass indicates the direction the vehicle is pointed. The HomeLink® Universal Transceiver allows you to activate your garage door(s), electric gate, home lighting, etc.

DEP
DEALER ePROCESS



(1) Channel 1 button
(2) Channel 2 button
(3) Status indicator LED
(4) Channel 3 button
(5) Rear light sensor
(6) Dimming ON/OFF button
(7) Compass control button
(8) Compass display

Automatic-Dimming Night Vision Safety™ (NVS®) Mirror (if equipped)

The NVS® Mirror automatically reduces glare by monitoring light levels in the front and the rear of the vehicle. Any object that obstructs either light sensor will degrade the automatic dimming control feature.

For more information regarding NVS® mirrors and other applications, please refer to the Gentex website:

www.gentex.com

The auto-dimming function can be controlled by pressing the ON/OFF button:

1. Pressing the button turns the auto-dimming function OFF which is indicated by the green Status Indicator LED turning off.
2. Pressing the button again turns the auto-dimming function ON which is indicated by the green Status Indicator LED turning on.

The mirror defaults to the ON position each time the vehicle is started.

Z-Nav™ Compass Display

The NVS™ Mirror in your vehicle is also equipped with a Z-Nav™ Compass that shows the vehicle Compass heading in the Display Window using the 8 basic cardinal headings (N, NE, E, SE, etc.).

DEP DEALER ePROCESS

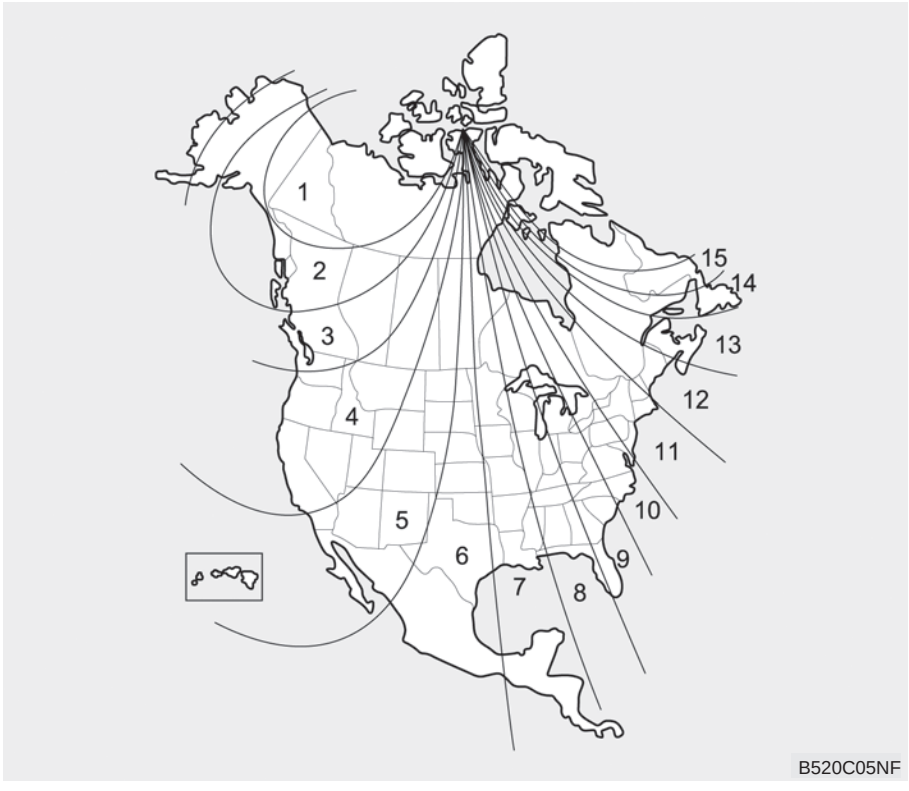
Compass function

The Compass can be turned ON and OFF and will remember the last state when the ignition is cycled. To turn the display feature ON/OFF:

1. Press and release the ⏻ button to turn the display feature OFF.
2. Press and release the ⏻ button again to turn the display back ON.

Additional options can be set with press and hold sequences of the button and are detailed below.

There is a difference between magnetic north and true north. To compensate for this difference you will need to adjust the Zone setting based on where you live.



DEP
DEALER ePROCESS

To adjust the Zone setting:

1. Determine the desired Zone Number based upon your current location on the Zone Map.
2. Press and hold the ⏻ button for more than 3 but less than 6 seconds, the current Zone Number will appear on the display.
3. Pressing and holding the ⏻ button again will cause the numbers to increment (Note: they will repeat …13, 14, 15, 1, 2, …). Releasing the button when the desired Zone Number appears on the display will set the new Zone.
4. Within about 5 seconds the compass will start displaying a compass heading again.

There are some conditions that can cause changes to the vehicle magnets, such as installing a ski rack or a CB antenna. Body repair work on the vehicle can also cause changes to the vehicle's magnetic field. In these situations, the compass will need to be re-calibrated to quickly correct these changes.

If you need to recalibrate the compass:

1. Press and hold the ⏻ button for more than 6 seconds. When the compass memory is cleared a "C" will appear in the display.
2. Drive the vehicle in 2 complete circles at less than 5 mph (8 km/h).

Integrated HomeLink® Wireless Control System

The HomeLink® Wireless Control System can replace up to three handheld radio-frequency (RF) transmitters with a single built-in device. This innovative feature will learn the radio frequency codes of most current transmitters to operate devices such as gate operators, garage door openers, entry door locks, security systems, even home lighting. Both standard and rolling code-equipped transmitters can be programmed by following the outlined procedures.

Additional HomeLink® information can be found at: www.homelink.com or by calling 1-800-355-3515.

Retain the original transmitter of the RF device you are programming for use in other vehicles as well as for future HomeLink® programming. It is also suggested that upon the sale of the vehicle, the programmed HomeLink® buttons be erased for security purposes.

DEP DEALER ePROCESS

⚠ WARNING

Before programming HomeLink® to a garage door opener or gate operator, make sure people and objects are out of the way of the device to prevent potential harm or damage. Do not use the HomeLink® with any garage door opener that lacks the safety stop and reverse features required by U.S. federal safety standards (this includes any garage door opener model manufactured before April 1, 1982). A garage door that cannot detect an object - signaling the door to stop and reverse - does not meet current U.S. federal safety standards. Using a garage door opener without these features increases the risk of serious injury or death.

Programming HomeLink®

Please note the following:

- When programming a garage door opener, it is advised to park the vehicle outside of the garage.
- It is recommended that a new battery be placed in the hand-held transmitter of the device being programmed to HomeLink® for quicker training and accurate transmission of the radio-frequency signal.
- Some vehicles may require the ignition switch to be placed in the ACC (or "Accessories") position for programming and/or operation of HomeLink®.
- In the event that there are still programming difficulties or questions after following the programming steps listed below, contact HomeLink® at: www.homelink.com or by calling 1-800-355-3515.

Rolling code programming

Rolling code devices which are "code-protected" and manufactured after 1996 may be determined by the following:

- Reference the device owner's manual for verification.
- The handheld transmitter appears to program the HomeLink® Universal Transceiver but does not activate the device.
- Press and hold the trained HomeLink button. The device has the rolling code feature if the indicator light flashes rapidly and then turns solid after 2 seconds.

DEP
DEALER ePROCESS

To train rolling code devices, follow these instructions:

1. At the garage door opener receiver (motor-head unit) in the garage, locate the "learn" or "smart" button. This can usually be found where the hanging antenna wire is attached to the motor-head unit. Exact location and color of the button may vary by garage door opener brand. If there is difficulty locating the training button, reference the device owner's manual or please visit our Web site at www.homelink.com.
2. Firmly press and release the "learn" or "smart" button (which activates the "training light"). You will have 30 seconds to initiate step 3.
3. Return to the vehicle and firmly press, hold for two seconds and then release the desired HomeLink® button. Repeat the "press/hold/release" sequence a second time to complete the programming. (Some devices may require you to repeat this sequence a third time to complete the programming.)
4. Press and hold the just-trained HomeLink® button and observe the red Status Indicator LED. If the indicator light stays on constantly, programming is complete and your device should activate.
5. To program the remaining two HomeLink® buttons, follow either steps 1 through 4 above for other Rolling Code devices or steps 2 through 5 in Standard Programming for standard devices.

Standard programming

To train most devices, follow these instructions:

1. For first-time programming, press and hold the two outside buttons, HomeLink® Channel 1 and Channel 3 Buttons, until the indicator light begins to flash (after 20 seconds). Release both buttons. Do not hold the buttons for longer than 30 seconds.
2. Position the end of your hand-held transmitter 1-3 inches (2-8 cm) away from the HomeLink® buttons while keeping the indicator light in view.
3. Simultaneously press and hold both the HomeLink® and hand-held transmitter button. DO NOT release the buttons until step 4 has been completed.
4. While continuing to hold the buttons the red Indicator Status LED will flash slowly and then rapidly after HomeLink® successfully trains to the frequency signal from the hand-held transmitter. Release both buttons.

DEP DEALER ePROCESS

5. Press and hold the just-trained HomeLink® button and observe the red Status Indicator LED. If the indicator light stays on constantly, programming is complete and your device should activate when the HomeLink® button is pressed and released.
6. To program the remaining two HomeLink® buttons, follow steps 2 through 5.

Gate operator & Canadian programming

During programming, your handheld transmitter may automatically stop transmitting. Continue to press the Integrated HomeLink® Wireless Control System button (note steps 2 through 4 in the Standard Programming portion of this document) while you press and re-press ("cycle") your handheld transmitter every two seconds until the frequency signal has been learned. The indicator light will flash slowly and then rapidly after several seconds upon successful training.

Operating HomeLink®

To operate, simply press and release the programmed HomeLink® button. Activation will now occur for the trained device (i.e. garage door opener, gate operator, security system, entry door lock, home/office lighting, etc.). For convenience, the hand-held transmitter of the device may also be used at any time.

Reprogramming a single HomeLink® button

To program a new device to a previously trained HomeLink® button, follow these steps:

1. Press and hold the desired HomeLink® button. Do NOT release until step 4 has been completed.
2. When the indicator light begins to flash slowly (after 20 seconds), position the handheld transmitter 1 to 3 inches away from the HomeLink® surface.
3. Press and hold the handheld transmitter button. The HomeLink® indicator light will flash, first slowly and then rapidly.
4. When the indicator light begins to flash rapidly, release both buttons.
5. Press and hold the just-trained HomeLink® button and observe the red Status Indicator LED. If the indicator light stays on constantly, programming is complete and your new device should activate.

DEP
DEALER ePROCESS

Erasing HomeLink® buttons

Individual buttons cannot be erased. However, to erase all three programmed buttons:

1. Press and hold the two outer HomeLink® buttons until the indicator light begins to flash-after 20 seconds.
2. Release both buttons. Do not hold for longer than 30 seconds.

The Integrated HomeLink® Wireless Control System is now in the training (learn) mode and can be programmed at any time following the appropriate steps in the Programming chapters above.

NVS® is a registered trademark and Z-Nav™ is a trademark of the Gentex Corporation, Zeeland, Michigan. HomeLink® is a registered trademark owned by Johnson Controls, Incorporated, Milwaukee, Wisconsin.

FCC ID: NZLZTVHL3

IC: 4112A-ZTVHL3

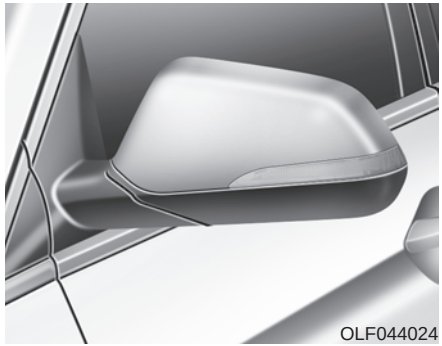
Information

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following three conditions:

1. **This device may not cause harmful interference, and**
2. **This device must accept any interference received, including interference that may cause undesired operation.**
3. **The transceiver has been tested and complies with FCC and Industry Canada rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.**

Side View Mirrors



Be sure to adjust mirror angles before driving.

Your vehicle is equipped with both left-hand and right-hand side view mirrors. The mirrors can be adjusted remotely with the remote switch. The mirror heads can be folded to prevent damage during an automatic car wash or when passing through a narrow street.

The right side view mirror is convex. Objects seen in the mirror are closer than they appear.

DEP DEALER ePROCESS

Use your interior rearview mirror or direct observation to determine the actual distance of following vehicles when changing lanes.

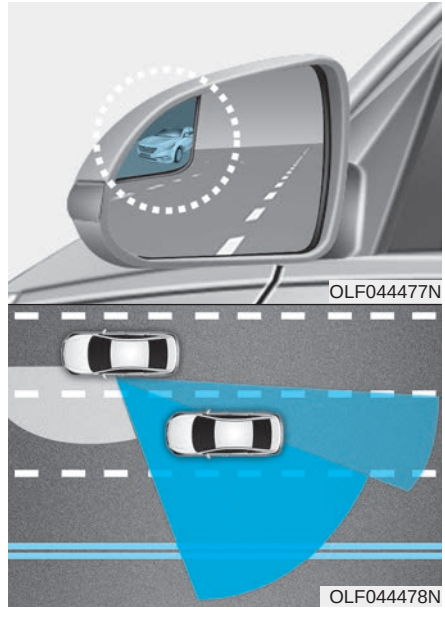
⚠ WARNING

Do not adjust or fold the side view mirrors while driving. This may cause loss of vehicle control resulting in an accident.

⚠ CAUTION

- **Do not scrape ice off the mirror face; this may damage the surface of the glass.**
- **If the mirror is jammed with ice, do not adjust the mirror by force. Use an approved spray de-icer (not radiator antifreeze) spray, or a sponge or soft cloth with very warm water, or move the vehicle to a warm place and allow the ice to melt.**

Blind spot mirror



The Blind Spot Mirror (BSM) is a supplemental mirror that reduces the driver's blind spot by showing the rear side area of the vehicle. The blind spot mirror is equipped on the left-hand side view mirror.

⚠ WARNING

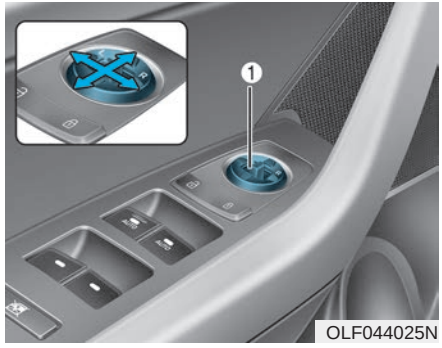
- **Always check the road condition while driving for unexpected situations even though the vehicle is equipped with a blind spot mirror.**
- **The blind spot mirror is a device made for convenience. Do not solely rely on the mirror but always pay attention to traffic around you.**

NOTICE

Do not clean the mirror with harsh abrasives, fuel or other petroleum based cleaning products.

DEP
DEALER ePROCESS

Side view mirrors control



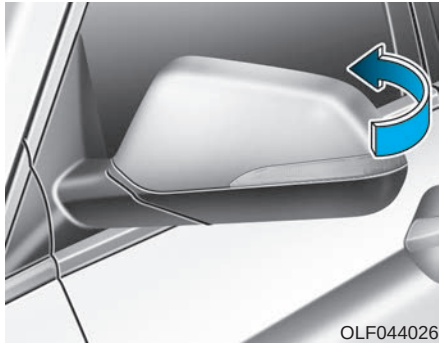
Adjusting the rearview mirrors:

1. Move the lever (1) towards the L(Left) or R(Right) to select the rearview mirror you would like to adjust.
2. Use the mirror adjustment control switch to position the selected mirror up, down, left or right.
3. After adjustment, place the lever (1) in the center to prevent inadvertent adjustment.

NOTICE

- **The mirrors stop moving when they reach the maximum adjusting angles, but the motor continues to operate while the switch is pressed. Do not press the switch longer than necessary, the motor may be damaged.**
- **Do not attempt to adjust the side view mirrors by hand or the motor may be damaged.**

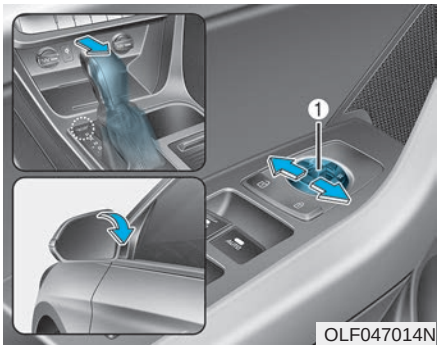
Folding the side view mirrors



To fold the side view mirrors, grasp the housing of the mirror and then fold it toward the rear of the vehicle.

DEP
DEALER ePROCESS

Reverse Parking Aid Function (if equipped)



When you move the shift lever to the R (Reverse) position, the side view mirror(s) will rotate downwards to aid with driving in reverse. The position of the side view mirror switch (1) determines whether or not the mirrors will move:

Left/Right : When either the L (Left) or R (Right) switch is selected, both side view mirrors will move.

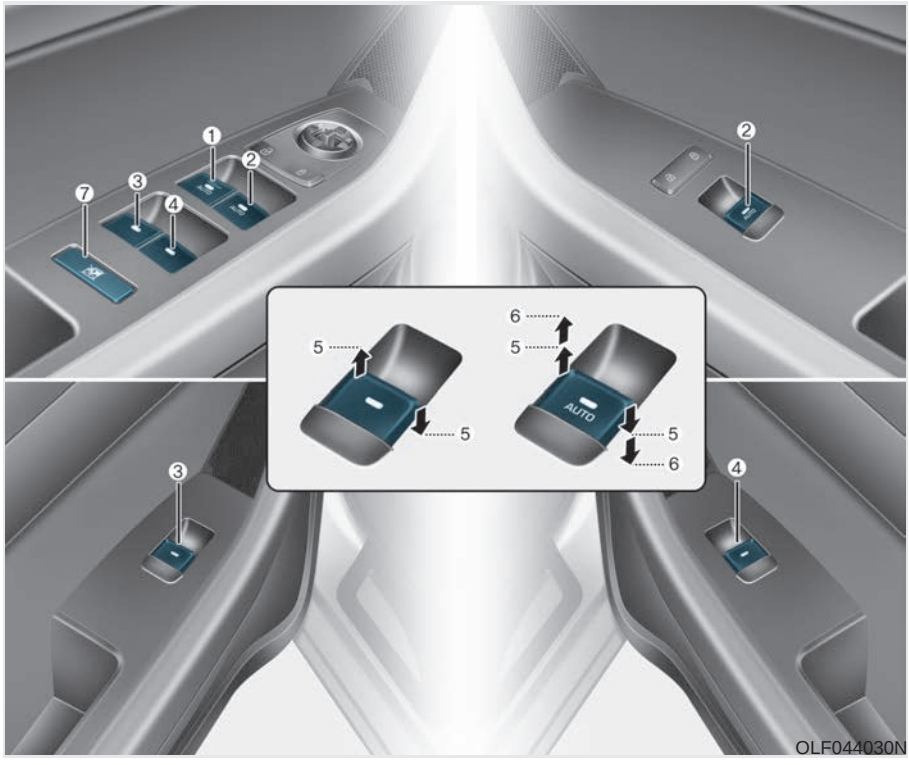
Neutral : When neither switch is selected, the side view mirrors will not move.

The side view mirrors will automatically revert to their original positions if any of the following occur:

- The ignition switch is placed to either the LOCK/OFF position or the ACC position.
- The shift lever is moved to any position except R (Reverse).
- The remote control side view mirror switch is not selected.

DEP
DEALER ePROCESS

WINDOWS



(1) Driver's door power window switch
(2) Front passenger's door power window switch
(3) Rear door (left) power window switch
(4) Rear door (right) power window switch
(5) Window opening and closing
(6) Automatic power window
(7) Power window lock switch

DEP
DEALER ePROCESS

Power Windows

The ignition switch must be in the ON position to be able to raise or lower the windows. Each door has a Power Window switch to control that door's window. The driver has a Power Window Lock switch which can block the operation of passenger windows. The power windows will operate for approximately 30 seconds after the ignition switch is placed in the ACC or LOCK/OFF position. However, if the front doors are opened, the Power Windows cannot be operated even within the 30 second period.

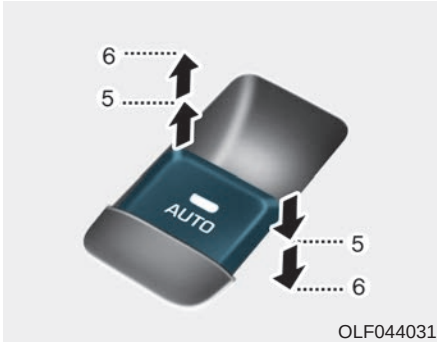
⚠ WARNING

To avoid serious injury or death, do not extend your head, arms or body outside the windows while driving.

Information

- **In cold and wet climates, power windows may not work properly due to freezing conditions.**
- **While driving with the rear windows down or with the sunroof (if equipped) opened (or partially opened), your vehicle may demonstrate a wind buffeting or pulsation noise. This noise is normal and can be reduced or eliminated by taking the following actions. If the noise occurs with one or both of the rear windows down, partially lower both front windows approximately one inch. If you experience the noise with the sunroof open, slightly close the sunroof.**

Window opening and closing



OLF044031

To open:

Press the window switch down to the first detent position (5). Release the switch when you want the window to stop.

To close:

Pull the window switch up to the first detent position (5). Release the window switch when you want the window to stop.

DEP
DEALER ePROCESS

Auto up/down window (if equipped)

Pressing or pulling up the power window switch momentarily to the second detent position (6) completely lowers or lifts the window even when the switch is released. To stop the window at the desired position while the window is in operation, pull up or press down and release the switch.

To reset the power windows

If the power windows do not operate normally, the automatic power window system must be reset as follows:

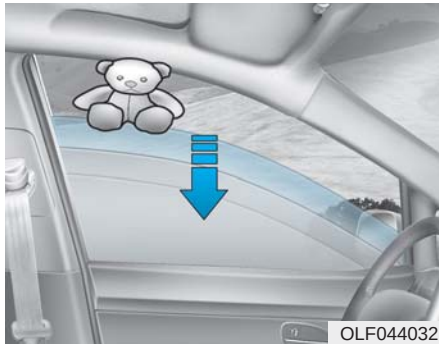
1. Place the ignition switch to the ON position.
2. Close the window and continue pulling up on the power window switch for at least one second.

If the power windows do not operate properly after resetting, have the system checked by an authorized HYUNDAI dealer.

⚠ WARNING

The automatic reverse feature doesn't activate while resetting power window system. Make sure body parts or other objects are safely out of the way before closing the windows to avoid injuries or vehicle damage.

Automatic reverse (if equipped)



If a window senses any obstacle while it is closing automatically, it will stop and lower approximately 12 inches (30 cm) to allow the object to be cleared.

If the window detects the resistance while the power window switch is pulled up continuously, the window will stop upward movement then lower approximately 1 inch (2.5 cm).

If the power window switch is pulled up continuously again within 5 seconds after the window is lowered by the automatic window reverse feature, the automatic window reverse will not operate.

DEP DEALER ePROCESS

Information

The automatic reverse feature is only active when the "Auto Up" feature is used by fully pulling up the switch to the second detent.

⚠ WARNING

Make sure body parts or other objects are safely out of the way before closing the windows to avoid injuries or vehicle damage.

Objects less than 0.16 inch (4 mm) in diameter caught between the window glass and the upper window channel may not be detected by the automatic reverse window and the window will not stop and reverse direction.

NOTICE

Do not install any accessories on the windows. The automatic reverse feature may not operate.

Power window lock switch



OLF044033

The driver can disable the power window switches on the rear passenger's doors by pressing the power window lock switch.

When the power window lock switch is pressed:

- The driver's master control can operate all the power windows.
- The front passenger's control can operate the front passenger's power window.
- The rear passenger's control cannot operate the rear passenger's power window.

⚠ WARNING

Do not allow children to play with the power windows. Keep the driver's door power window lock switch in the LOCK position. Serious injury or death can result from unintentional window operation by a child.

NOTICE

- **To prevent possible damage to the power window system, do not open or close two windows or more at the same time. This will also ensure the longevity of the fuse.**
- **Never try to operate the main switch on the driver's door and the individual door window switch in opposite directions at the same time. If this is done, the window will stop and cannot be opened or closed.**

DEP
DEALER ePROCESS

SUNROOF (IF EQUIPPED)


OLFC044034CN

If your vehicle is equipped with a sunroof, you can slide or tilt your sunroof with the sunroof control switch located on the overhead console.

The sunroof can only be opened, closed, or tilted when the ignition switch is in the ON position.

The sunroof can be operated for approximately 30 seconds after the ignition key is removed or turned to the ACC or LOCK (or OFF) position.

However, if the front door is opened, the sunroof cannot be operated even within 30 seconds.

Information

- **In cold and wet climates, the sunroof may not work properly due to freezing conditions.**
- **After the vehicle is washed or in a rainstorm, be sure to wipe off any water that is on the sunroof before operating it.**

⚠ WARNING

- **Never adjust the sunroof or sunshade while driving. This could result in loss of control and an accident that may cause death, serious injury, or property damage.**
- **Make sure heads, other body parts or objects are out of the way before using the sunroof.**
- **Do not extend your head, arms or body outside the sunroof while driving, to avoid serious injury.**

(Continued)

(Continued)

- **Do not leave the engine running and the key in your vehicle with unsupervised children.**

 Unattended children could operate the sunroof, which could result in serious injury.
- **Do not sit on the top of the vehicle. It may cause injuries or vehicle damage.**

NOTICE

- **Do not continue to move the sunroof control lever after the sunroof is fully opened, closed, or tilted. Damage to the motor or system components could occur.**
- **Make sure the sunroof is closed fully when leaving your vehicle. If the sunroof is open, rain or snow may leak through the sunroof and wet the interior as well as allow theft.**

DEP DEALER ePROCESS

Sunroof opening and closing


OLFC044036CN

To open:

Press the sunroof control lever backward to the first detent position. Release the switch when you want the sunroof to stop.

To close:

Press the sunroof control lever forward to the first detent position. Release the switch when you want the sunroof to stop.

Sliding the sunroof

Pressing the sunroof control lever backward or forward momentarily to the second detent position completely opens or closes the sunroof even when the switch is released. To stop the sunroof at the desired position while the sunroof is in operation, press the sunroof control lever backward or forward and release the switch.

Information

To minimize wind noise while driving, it is recommended that you drive with the sunroof slightly closed (stop the sunroof about 2 inch (5 cm) before the maximum slide open position).

Automatic reverse


OLFC044035CN

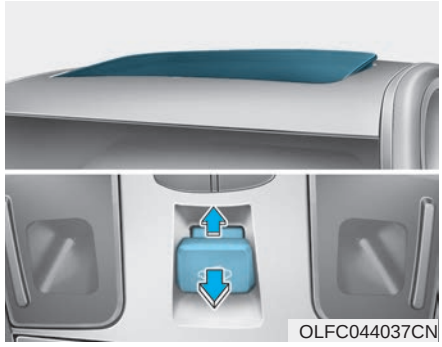
If the sunroof senses an obstacle while it is closing automatically, it should reverse direction and stop to allow the object to be cleared.

⚠ WARNING

Small objects that can get caught between the sunroof glass and the front glass channel may not be detected by the automatic reverse system. In this case, the sunroof glass will not detect the object and will not reverse direction.

DEP
DEALER ePROCESS

Tilting the sunroof


OLFC044037CN

Tilt the sunroof open:

Push the sunroof control lever upward until the sunroof moves to the desired position.

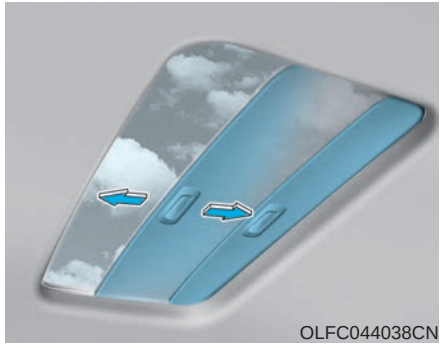
To close the sunroof:

Pull the sunroof lever downward until the sunroof moves to the desired position.

NOTICE

- **Periodically remove any dirt that may accumulate on the sunroof guide rail or between the sunroof and roof panel which can make a noise.**
- **Do not try to open the sunroof when the temperature is below freezing or when the sunroof is covered with snow or ice as the motor could be damaged.**

Sunshade


OLFC044038CN

The sunshade will open automatically with the sunroof when the glass panel moves. If you want it closed, move the sunshade manually.

NOTICE

The sunroof is made to slide together with the sunshade. Do not leave the sunshade closed while the sunroof is open.

DEP DEALER ePROCESS

Resetting the sunroof

Sunroof needs to be reset if the following occurs :

- Battery is discharged or disconnected or the related fuse has been replaced or disconnected
- The one-touch sliding function of the sunroof does not normally operate

Reset procedure :

1. Place the ignition switch to the ON position or start the engine. It is recommended to reset the sunroof while the engine is running.
2. Push the control lever forward. The sunroof will close completely or tilt depending on the condition of the sunroof.
3. Release the control lever until the sunroof does not move.
4. Push the control lever forward about 10 seconds.
 - When the sunroof is in the close position :

 The glass will tilt and slightly move up and down.
 - When the sunroof is in the tilt position:

 The glass will slightly move up and down.

Do not release the lever until the operation is completed.

If you release the lever during operation, start the procedure again from step 2.

5. Within 3 seconds, push the control lever forward until the sunroof operates as follows:

 Tilt down → Slide Open → Slide Close.

Do not release the lever until the operation is completed.

If you release the lever during operation, start the procedure again from step 2.

6. Release the sunroof control lever after all steps have completed. (The sunroof system has been reset.)

Information

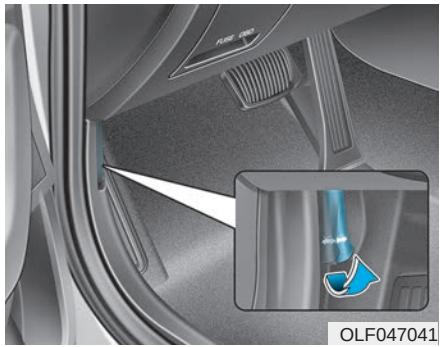
- **If the sunroof is not reset when the vehicle battery is disconnected or discharged, or the sunroof fuse is blown, the sunroof may not operate normally.**
- **For more detailed information, we recommend that you contact an authorized HYUNDAI dealer.**

DEP
DEALER ePROCESS

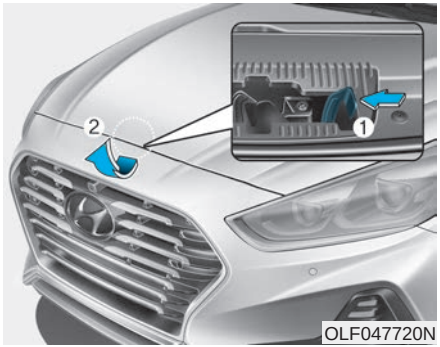
EXTERIOR FEATURES

Hood

Opening the hood



1. Park the vehicle and set the parking brake.
2. Pull the release lever to unlatch the hood. The hood should pop open slightly.



3. Raise the hood slightly, push the secondary latch up (1) inside of the hood center and lift the hood (2). After it has been raised about halfway, it will raise completely by itself.

Hood open warning (if equipped)

The warning message will appear on the LCD display when hood is open.

The warning chime will operate when the vehicle is being driven at or above 3 km/h with the hood open.

Closing the hood

1. Before closing the hood, check the following:
 - All filler caps in engine compartment must be correctly installed.
 - Gloves, rags or any other combustible material must be removed from the engine compartment.
2. Lower the hood halfway (lifted approximately 30 cm from the closed position) and push down to securely lock in place. Then double check to be sure the hood is secure.

DEP DEALER ePROCESS

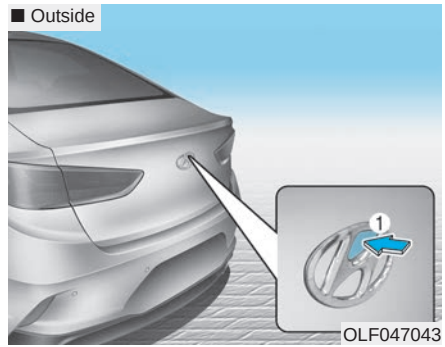
⚠ WARNING

- **Before closing the hood, ensure all obstructions are removed from around the hood opening.**
- **Always double check to be sure that the hood is firmly latched before driving away. Check there is no hood open warning light or message displayed on the instrument cluster. If the hood is not latched while the vehicle is moving, the chime will sound to warn the driver the hood is not fully latched. Driving with the hood opened may cause a total loss of visibility, which might result in an accident.**
- **Do not move the vehicle with the hood in the raised position, as vision is obstructed, which might result in an accident, and the hood could fall or be damaged.**

Trunk

Opening the trunk

■ Outside



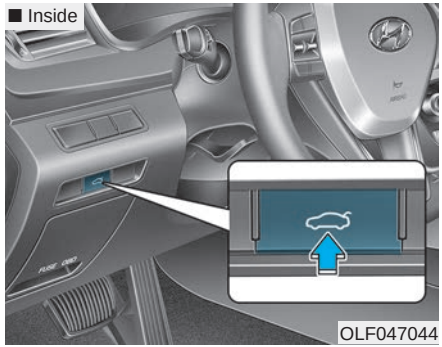
1. Make sure the shift lever is in P (Park).
2. Then do one of the following :
 - Press the button (1) on the trunk handle after locking or unlocking the door by remote key or smart key.
 - Press the trunk unlock button of remote key or smart key for more than 1 second.
 - Press the button (1) on the trunk itself with the Smart Key in your possession.

⚠ CAUTION

The button (1) on the trunk handle is made of the rubber. Do not press it with the sharp objects such as the key, screwdriver or drill.

DEP
DEALER ePROCESS

■ Inside



- Use the trunk release button.

3. Lift the trunk lid up.

Closing the trunk

Lower the trunk lid and press down until it locks.

⚠ WARNING

Always keep the trunk lid completely closed while the vehicle is in motion. If it is left open or ajar, poisonous exhaust gases containing carbon monoxide (CO) may enter the vehicle and serious illness or death may result.

⚠ WARNING

Make sure there are no people or objects around the trunk before opening or closing the Power Trunk. Wait until the trunk is open fully and stopped before loading or unloading cargo from the vehicle.

NOTICE

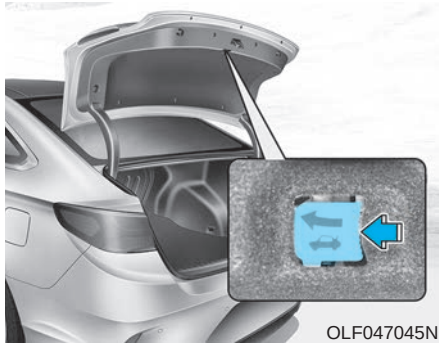
To prevent damage to the trunk lift cylinders and the attached hardware, always close the trunk before driving.

ⓘ Information

In cold and wet climates, trunk lock and trunk mechanisms may not work properly due to freezing conditions.

DEP DEALER ePROCESS

Emergency trunk safety release



OLF047045N

Your vehicle is equipped with an Emergency Trunk Safety Release lever located inside the trunk. When someone is inadvertently locked in the trunk, the trunk can be opened by moving the lever in the direction of the arrow and pushing the trunk open.

⚠ WARNING

- **You and your passengers must be aware of the location of the Emergency Trunk Safety Release lever in this vehicle and how to open the trunk in case you are accidentally locked in the trunk.**
- **NEVER allow anyone to occupy the trunk of the vehicle at any time. If the trunk is partially or totally latched and the person is unable to get out, serious injury or death could occur due to lack of ventilation, exhaust fumes and rapid heat build-up, or because of exposure to cold weather conditions. The trunk is also a highly dangerous location in the event of a crash because it is not a protected occupant space but is a part of the vehicle's crush zone.**

(Continued)

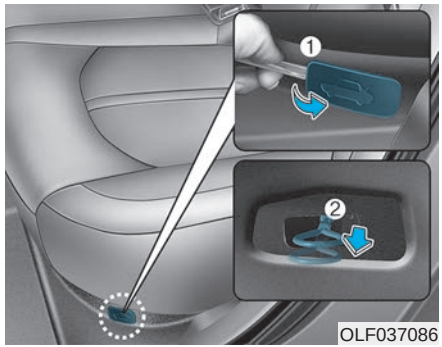
(Continued)

- **Your vehicle should be kept locked and the Smart Key should be kept out of the reach of children. Parents should teach their children about the dangers of playing in trunks.**
- **Use the release lever for emergencies only.**

DEP
DEALER ePROCESS

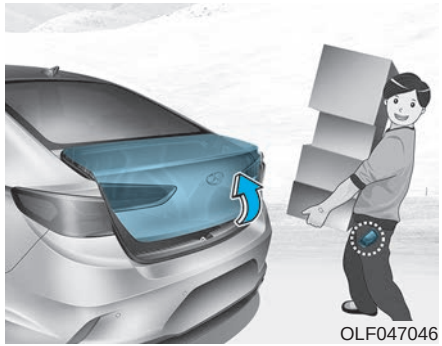
Inside the vehicle

When you can not unlock the trunk due to battery discharge or other reasons, you can unlock the trunk inside the vehicle.



Open the cable cover(1) under the rear seat with a mechanical key and pull the cable (2) for unlocking the trunk.

Smart Trunk (if equipped)



On a vehicle equipped with a smart key, the trunk can be opened using the Smart Trunk system.

How to use the Smart Trunk

The trunk can be opened with no-touch activation satisfying all the conditions below.

- After 15 seconds when all doors are closed and locked
- Positioned in the detecting area for more than 3 seconds.

Information

- **The Smart Trunk does not operate when:**
 - **The smart key is detected within 15 seconds after the doors are closed and locked, and is continuously detected.**
 - **The smart key is detected within 15 seconds after the doors are closed and locked, and within 60 inches (1.5 m) from the front door handles. (for vehicles equipped with Welcome Light)**
 - **A door is not locked or closed.**
 - **The smart key is in the vehicle.**

DEP DEALER ePROCESS

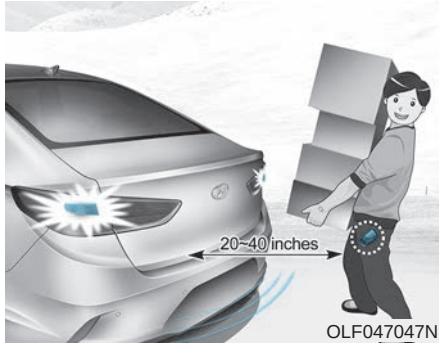


OLF057450N

1. Setting

To activate the Smart Trunk, go to User Settings Mode and select Smart Trunk on the LCD display.

For more information, refer to the "LCD Display" section in this chapter.



OLF047047N

2. Detect and Alert

If you are positioned in the detecting area (20~40 inches (50 ~100 cm) behind the vehicle) carrying a smart key, the hazard warning lights will blink and chime will sound to alert you the smart key has been detected and the trunk will open.

Information

Do not approach the detecting area if you do not want the trunk to open. If you have unintentionally entered the detecting area and the hazard warning lights and chime starts to operate, leave the detecting area with the smart key. The trunk will stay closed.


OLF047048

3. Automatic opening

The hazard warning lights will blink and chime will sound 6 times and then the trunk will open.

DEP
DEALER ePROCESS

⚠ WARNING

- **Make sure you close the trunk before driving your vehicle.**
- **Make sure there are no people or objects around the trunk before opening or closing the trunk.**
- **Make sure objects in the trunk do not come out when opening the trunk on a slope. It may cause serious injury.**
- **Make sure to deactivate the Smart Trunk when washing your vehicle. Otherwise, the trunk may open inadvertently.**
- **The key should be kept out of reach of children. Children may inadvertently open the Smart Trunk while playing around the rear area of the vehicle.**

How to deactivate the Smart Trunk function using the smart key



OLF044006

1. Door lock
2. Door unlock
3. Trunk open
4. Panic

If you press any button of the smart key during the Detect and Alert stage, the Smart Trunk function will be deactivated.

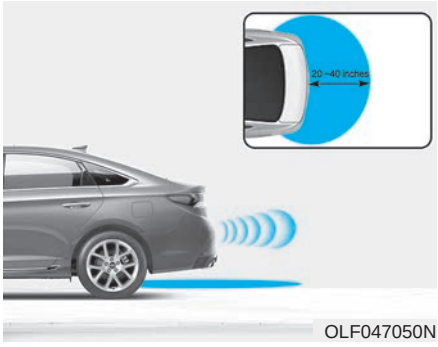
Make sure to be aware of how to deactivate the Smart Trunk function for emergency situations.

i Information

- **If you press the door unlock button (2), the Smart Trunk function will be deactivated temporarily. But, if you do not open any door for 30 seconds, the smart trunk function will be activated again.**
- **If you press the trunk open button (3) for more than 1 second, the trunk opens.**
- **If you press the door lock button (1) or trunk open button (3) when the Smart Trunk function is not in the Detect and Alert stage, the smart trunk function will not be deactivated.**
- **In case you have deactivated the Smart Trunk function by pressing the smart key button and opened a door, the smart trunk function can be activated again by closing and locking all doors.**

DEP
DEALER ePROCESS

Detecting area



OLF047050N

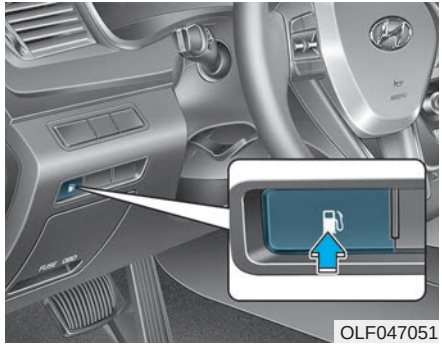
- The Smart Trunk operates with a welcome alert if the smart key is detected within 20~40 inches (50~100 cm) from the trunk.
- The alert stops at once if the smart key is positioned outside the detecting area during the Detect and Alert stage.

Information

- **The Smart Trunk function will not work if any of the following occurs:**
 - **The smart key is close to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the transmitter.**
 - **The smart key is near a mobile two way radio system or a cellular phone.**
 - **Another vehicle's smart key is being operated close to your vehicle.**
- **The detecting range may decrease or increase when :**
 - **One side of the tire is raised to replace a tire or to inspect the vehicle.**
 - **The vehicle is parked on a slope or unpaved road, etc.**

Fuel Filler Door

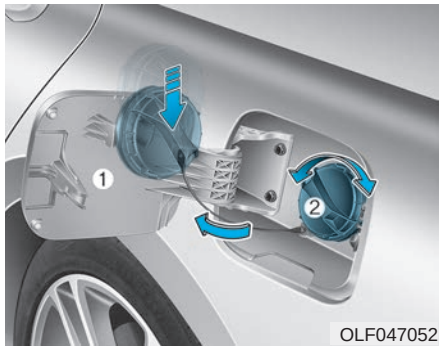
Opening the fuel filler door


OLF047051

The fuel filler door must be opened from inside the vehicle by pushing the fuel filler door opener button.

1. Turn the engine off.
2. Push the fuel filler door opener button.

DEP
DEALER ePROCESS



3. Pull the fuel filler door (1) out to fully open.
4. To remove the fuel tank cap (2), turn it counterclockwise. You may hear a hissing noise as the pressure inside the tank equalizes.
5. Place the cap on the fuel filler door.

Information

If the fuel filler door does not open because ice has formed around it, tap lightly or push on the door to break the ice and release the door. Do not pry on the door. If necessary, spray around the door with an approved de-icer fluid (do not use radiator anti-freeze) or move the vehicle to a warm place and allow the ice to melt.

Closing the fuel filler door

1. To install the fuel tank cap, turn it clockwise until it "clicks" one time.
2. Close the fuel filler door until it is latched securely.

DEP DEALER ePROCESS

⚠ WARNING

Gasoline is highly flammable and explosive. Failure to follow these guidelines may result in SERIOUS INJURY or DEATH:

- **Read and follow all warnings posted at the gas station.**
- **Before refueling, note the location of the Emergency Gasoline Shut-Off, if available, at the gas station.**
- **Before touching the fuel nozzle, you should eliminate the potential build-up of static electricity by touching a metal part of the vehicle, a safe distance away from the fuel filler neck, nozzle, or other gas source, with your bare hand.**
- **Do not use cellular phones while refueling. Electric current and/or electronic interference from cellular phones can potentially ignite fuel vapors and cause a fire.**

(Continued)

(Continued)

- **Do not get back into a vehicle once you have begun refueling. You can generate a build-up of static electricity by touching, rubbing or sliding against any item or fabric capable of producing static electricity. Static electricity discharge can ignite fuel vapors causing a fire. If you must re-enter the vehicle, you should once again eliminate potentially dangerous static electricity discharge by touching a metal part of the vehicle, away from the fuel filler neck, nozzle or other gasoline source, with your bare hand.**
- **When using an approved portable fuel container, be sure to place the container on the ground prior to refueling. Static electricity discharge from the container can ignite fuel vapors causing a fire.**

(Continued)

(Continued)

Once refueling has begun, contact between your bare hand and the vehicle should be maintained until the filling is complete.

- **Use only approved portable plastic fuel containers designed to carry and store gasoline.**
- **When refueling, always move the shift lever to the P (Park) position, set the parking brake, and place the ignition switch to the LOCK/OFF position. Sparks produced by electrical components related to the engine can ignite fuel vapors causing a fire.**
- **Do not use matches or a lighter and do not smoke or leave a lit cigarette in your vehicle while at a gas station, especially during refueling.**
- **Do not over-fill or top-off your vehicle tank, which can cause gasoline spillage.**

(Continued)

DEP
DEALER ePROCESS

(Continued)

- **If a fire breaks out during refueling, leave the vicinity of the vehicle, and immediately contact the manager of the gas station and then contact the local fire department. Follow any safety instructions they provide.**
- **If pressurized fuel sprays out, it can cover your clothes or skin and thus subject you to the risk of fire and burns. Always remove the fuel cap carefully and slowly. If the cap is venting fuel or if you hear a hissing sound, wait until the condition stops before completely removing the cap.**
- **Always check that the fuel cap is installed securely to prevent fuel spillage in the event of an accident.**

Information

Make sure to refuel your vehicle according to the "Fuel Requirements" suggested in the Introduction chapter.

NOTICE

- **Do not spill fuel on the exterior surfaces of the vehicle. Any type of fuel spilled on painted surfaces may damage the paint.**
- **If the fuel filler cap requires replacement, use only a genuine HYUNDAI cap or the equivalent specified for your vehicle. An incorrect fuel filler cap can result in a serious malfunction of the fuel system or emission control system.**

Emergency fuel filler door release



If the fuel filler door does not open using the remote fuel filler door release button, you can open it manually. Pull the release located on the left side of the trunk compartment.

DEP
DEALER ePROCESS

INSTRUMENT CLUSTER

■ **Type A**



■ **Type B**



1. Tachometer
2. Speedometer
3. Engine coolant temperature gauge
4. Fuel gauge
5. Warning and indicator lights
6. LCD display (including Trip computer)

The actual cluster in the vehicle may differ from the illustration.

OLF047100N/OLF047101N

DEP DEALER ePROCESS

■ **Type C**



■ **Type D**



1. Tachometer
2. Speedometer
3. Engine coolant temperature gauge
4. Fuel gauge
5. Warning and indicator lights
6. LCD display (including Trip computer)

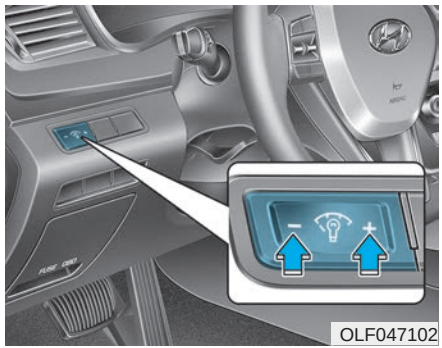
The actual cluster in the vehicle may differ from the illustration.

OLF047526N/OLF047527N

DEP DEALER ePROCESS

Instrument Cluster Control

Adjusting instrument cluster illumination


OLF047102

When the vehicle's parking lights or headlights are on, press the illumination control button to adjust the brightness of the instrument panel illumination.

When pressing the illumination control button, the interior switch illumination intensity is also adjusted. The selected brightness of illumination can be saved in the Driver Position Memory System (if equipped).

For more information, refer to "Driver position Memory System" in this chapter.



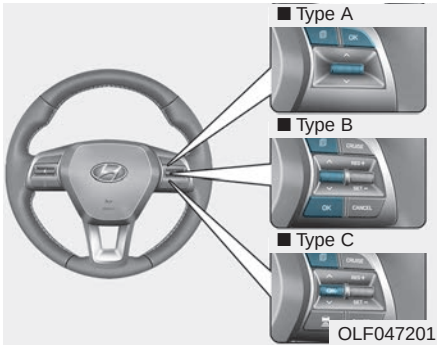
OLF047142N

- The brightness of the instrument panel illumination is displayed.
- If the brightness reaches the maximum or minimum level, an alarm will sound.

DEP
DEALER ePROCESS

LCD Display Control

The LCD display modes can be changed by using the control buttons on the steering wheel.



(1) : MODE button for changing modes

(2) ▲, ▼ : MOVE switch for changing items

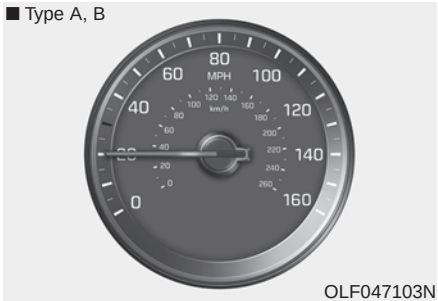
(3) OK : SELECT/RESET button for setting or resetting the selected item

For more information on LCD Modes, refer to "LCD Display" in the next pages of this chapter.

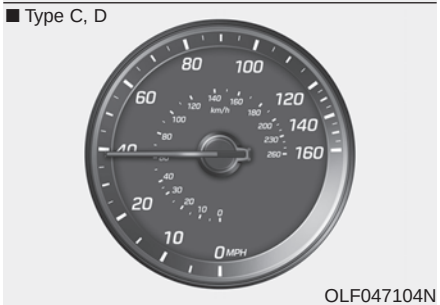
Gauges

Speedometer

■ Type A, B



■ Type C, D



The speedometer indicates the speed of the vehicle and is calibrated in miles per hour (mph) and/or kilometers per hour (km/h).

Tachometer

■ Type A, B



■ Type C, D



The tachometer indicates the approximate number of engine revolutions per minute (rpm).

Use the tachometer to select the correct shift points and to prevent lugging and/or over-revving the engine.

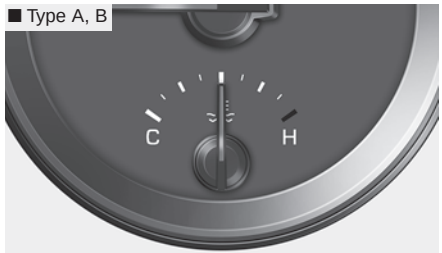
DEP
DEALER ePROCESS

NOTICE

Do not operate the engine within the tachometer's RED ZONE. This may cause severe engine damage.

Engine Coolant Temperature Gauge

■ Type A, B



OLF047107

■ Type C, D



OLF047506

This gauge indicates the temperature of the engine coolant when the ignition switch or Engine Start/Stop button is ON.

NOTICE

If the gauge pointer moves beyond the normal range area toward the "H" position, it indicates overheating that may damage the engine.

Do not continue driving with an overheated engine. If your vehicle overheats, refer to "If the Engine Overheats" in chapter 6.

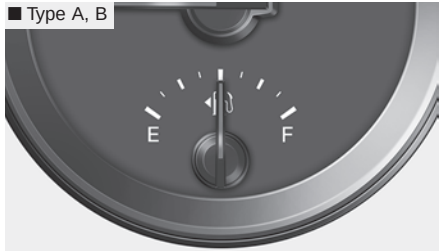
⚠ WARNING

Never remove the radiator cap when the engine is hot. The engine coolant is under pressure and could severely burn. Wait until the engine is cool before adding coolant to the reservoir.

DEP
DEALER ePROCESS

Fuel Gauge

■ Type A, B



OLF047108

■ Type C, D



OLF047503

This gauge indicates the approximate amount of fuel remaining in the fuel tank.

Information

- **The fuel tank capacity is given in chapter 8.**
- **The fuel gauge is supplemented by a low fuel warning light, which will illuminate when the fuel tank is nearly empty.**
- **On inclines or curves, the fuel gauge pointer may fluctuate or the low fuel warning light may come on earlier than usual due to the movement of fuel in the tank.**

⚠ WARNING

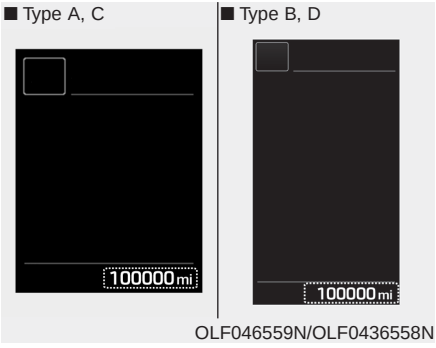
Running out of fuel can expose vehicle occupants to danger. You must stop and obtain additional fuel as soon as possible after the warning light comes on or when the gauge indicator comes close to the "E (Empty)" level.

NOTICE

Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the catalytic converter.

DEP DEALER ePROCESS

Odometer

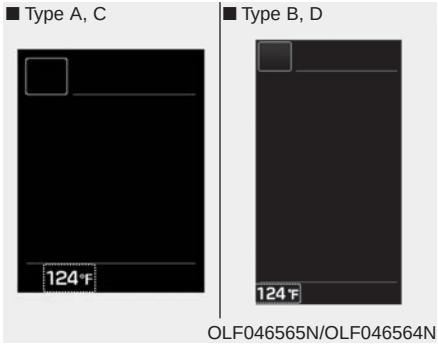


OLF046559N/OLF0436558N

The odometer indicates the total distance that the vehicle has been driven and should be used to determine when periodic maintenance should be performed.

- Odometer range : 0 ~ 999999 miles or kilometers.

Outside temperature gauge



OLF046565N/OLF046564N

This gauge indicates the current outside air temperatures by 1°F (1°C).

- Temperature range : -40°F ~ 140°F (-40°C ~ 60°C)

The outside temperature on the display may not change immediately like a general thermometer to prevent the driver from being inattentive.

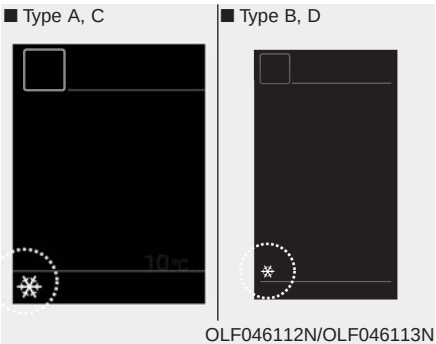
To change the temperature unit from °F to °C or °C to °F, it can be selected by one of the following methods :

- Go to User Settings Mode → Other Features → Temperature Unit.
- Press the AUTO button for 3 seconds while pressing the OFF button. (Automatic climate control system)

Both the temperature unit on the cluster LCD display and climate control screen will change.

DEP
DEALER ePROCESS

Icy Road Warning Light (if equipped)



OLF046112N/OLF046113N

This warning light is to warn the driver the road may be icy.

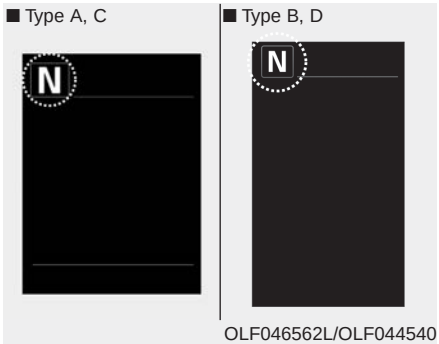
When the following conditions occur, the warning light (including Outside Temperature Gauge) blinks 5 times and then illuminates, and also warning chime sounds 1 times.

- The temperature on the Outside Temperature Gauge is below approximately 40°F (4°C).

Information

If the icy road warning light appears while driving, you should drive more attentively and safely refraining from over-speeding, rapid acceleration, sudden braking or sharp turning, etc.

Automatic transmission shift indicator / Ecoshift dual clutch transmission shift indicator (If equipped)



OLF046562L/OLF044540

This indicator displays which automatic transmission shift lever is selected.

- Park : P
- Reverse : R
- Neutral : N
- Drive : D

DEP DEALER ePROCESS

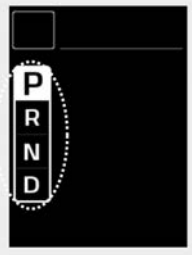
- Manual shift Mode
 - Auto Transmission :

 1~6 (6 speed automatic transmission)

 1~8 (8 speed automatic transmission)
 - Ecoshift Dual Clutch Transmission: 1, 2, 3, 4, 5, 6, 7

Shift indicator pop-up (if equipped)

■ Type A, C



■ Type B, D



OLF046421/OLF046420

The pop-up displays the current gear position selected for 2 seconds (P/R/N/D).

DEP
DEALER ePROCESS

LCD DISPLAY

LCD Modes

Modes	Symbol	Description
Trip Computer		This mode displays information related to driving such as tripmeter, fuel economy, etc. **For more information, refer to "Trip Computer" in this chapter.**
Turn By Turn (TBT) (if equipped)		This mode displays the state of the navigation.
Assist (If equipped)		This mode displays the state of the Smart Cruise Control (SCC) and Lane Keeping Assist System (LKAS). **For more information, refer to "Smart Cruise Control (SCC)" and Lane Keeping Assist System (LKAS) in chapter 5.** This mode displays information related to Driver Attention Alert and Tire Pressure Monitoring System (TPMS). **For more information, refer to "Driver Attention Alert (DAA)" in chapter 5 and "Tire Pressure Monitoring System (TPMS)" in chapter 6.**
User Settings		On this mode, you can change settings of the doors, lamps, etc.
Warning		This mode displays information such as tire pressure, service intervals, warning messages related to the Smart Cruise Control, etc.

For more information on controlling the LCD Modes, refer to "LCD Display Control" in the previous pages of this chapter.

DEP
DEALER ePROCESS

Shift to P to edit settings



OLF047168N

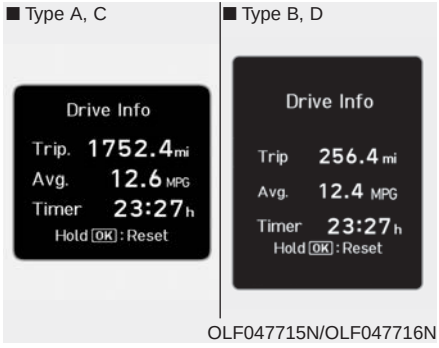
This warning message illuminates if you try to select the other User Settings item when driving.

For safety, change the User Settings after parking the vehicle and moving the shift lever to P (Park) position.

Quick guide (Help, if equipped)

Press and hold the OK button in the User Settings Mode, the explanation about the selected item is displayed.

Trip Computer Mode



OLF047715N/OLF047716N

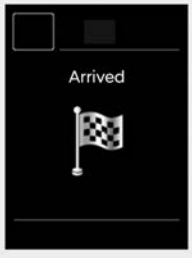
This mode displays driving information like the tripmeter, fuel economy, and so on.

For more information, refer to "Trip Computer" in this chapter.

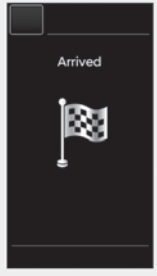
DEP
DEALER ePROCESS

Turn By Turn (TBT) Mode (if equipped)

■ Type A, C



■ Type B, D



OLF047172L/OLF047173L

This mode displays the state of the navigation.

Assist mode



OLF044174N

SCC/LKAS/DAA

This mode displays the state of the Smart Cruise Control (SCC), Lane Keeping Assist System (LKAS) and Driver Attention Alert (DAA).

For more information, refer to each system information in chapter 5.

Tire Pressure



OLF067028N

This mode displays information related to Tire Pressure.

For more information, refer to "Tire Pressure Monitoring System (TPMS)" in chapter 6.

DEP DEALER ePROCESS

Warning Message Mode

If one of followings occurs, warning messages will be displayed on the information mode for several seconds.

- Malfunction of below systems
 - Smart Cruise Control (SCC)
 - Blind Spot Detection (BSD)
 - Tire Pressure Monitoring System (TPMS)
 - Automatic Emergency Braking system (AEB)
 - High Beam Assist system (HBA)

User settings mode

In this mode, you can change the setting of the instrument cluster, doors, lamps, etc.

1. Driving Assist
2. Door
3. Lights
4. Sound
5. Convenience
6. Service interval
7. Other features
8. Reset

The information provided differs according to the items applied to your vehicle.

1. Driving Assist

- LKAS (Lane Keeping Assist System)

- Lane Departure Warning/Standard LKA/Active LKA

 To adjust the sensitivity of the Lane Keeping Assist System.

For more information, refer to the "Lane Keeping Assist System" in chapter 5.

- DAA (Driver Attention Alert)

To adjust the sensitivity of the Driver Attention Alert (DAA).

- Off/Normal/Early

For more information, refer to the "Driver Attention Alert (DAA)" in chapter 5.

DEP
DEALER ePROCESS

• SCC Response (Smart Cruise Control)

- Slow/Normal/Fast

 To adjust the sensitivity of the Smart Cruise Control system.

For more information, refer to the "Smart Cruise Control" in chapter 5.

• AEB (Auton. Emergency Braking)

To activate or deactivate the Autonomous Emergency Braking (AEB).

For more information, refer to "Autonomous Emergency Braking (AEB)" in chapter 5.

• FCW (Fwd. Collision Warning)

- Late/Normal/Early

 To adjust the initial warning alert time for Autonomous Emergency Braking system.

For more information, refer to "Autonomous Emergency Braking (AEB)" in chapter 5.

• BSD Sound (Blind Spot Detection)

To activate or deactivate the Blind Spot Detection sound.

For more information, refer to "Blind Spot Detection" in chapter 5.

• RCTA (Rear Cross Traffic Alert)

To activate or deactivate the Rear Cross Traffic Alert system.

For more information, refer to "Blind Spot Detection" in chapter 5.

2. Door

• Automatic Lock

- Disable: The auto door lock operation will be canceled.
- Enable on Speed: All doors will be automatically locked when the vehicle speed exceeds 15 km/h (9.3 mph).
- Enable on Shift: All doors will be automatically locked if the automatic transmission shift lever is shifted from the P (Park) position to the R (Reverse), N (Neutral), or D (Drive) position.

DEP DEALER ePROCESS

• Automatic Unlock

- Disable: The auto door unlock operation will be canceled.
- Vehicle Off: All doors will be automatically unlocked when the Engine Star/Stop button is set to the OFF position. (if equipped with smart key)
- On Key Out: All doors will be automatically unlocked when the ignition key is removed from the ignition switch. (if equipped with remote key)
- Driver Door Unlock: All doors will be automatically unlocked when the driver's door is opened.
- On Shift to P: All doors will be automatically unlocked if the automatic transmission shift lever is shifted to the P (Park) position.

• Smart Trunk

To activate or deactivate the Smart Trunk system.

For more details, refer to "Smart Trunk" in this chapter.

3. Lights

• One Touch Turn Signal

- Off: The one touch turn signal function will be deactivated.
- 3, 5, 7 Flashes: The turn signal indicator will blink 3, 5, or 7 times when the turn signal lever is moved slightly.

For more information, refer to "Light" in this chapter.

• Head Lamp Delay

To activate or deactivate the headlamp delay function.

For more information, refer to "Light" in this chapter

• Welcome Light

To activate or deactivate the welcome light function.

For more information, refer to "Light" in this chapter.

4. Sound

• Park Assist Volume

- Softer/Louder

 To adjust the Park Assist System volume.

• Welcome Sound

To activate or deactivate the welcome sound.

DEP
DEALER ePROCESS

5. Convenience

• Seat Easy Access

- Off: The seat easy access function is deactivated.
- Normal/Extended: When you turn off the engine, the driver's seat will automatically move rearward short (Normal) or long (Extended) for you to enter or exit the vehicle more comfortably.

For more information, refer to "Driver Position Memory System" in this chapter.

• Wireless Charging System

To activate or deactivate the wireless charging system in the front seat.

For more information, refer to "Wireless Charging System" in this chapter.

• Wiper/Lights Display

To activate or deactivate the Wiper/Light mode.

When activated, the LCD display shows the selected Wiper/Light mode whenever you changed the mode.

• Gear Position Pop-up

To activate or deactivate the gear position pop-up.

When activated, the gear position will be displayed on the LCD display.

6. Service Interval

• Enabled service Interval

To activate or deactivate the service interval function.

• Adjust Interval

If the service interval menu is activated, you may adjust the time and distance.

Information

To use the service interval menu, consult an authorized HYUNDAI dealer.

DEP DEALER ePROCESS

If the service interval is activated and the time and distance is adjusted, messages are displayed in the following situations each time the vehicle is turned on.

- Service in
 : Displayed to inform the driver the remaining mileage and days to service.
- Service required
 : Displayed when the mileage and days to service has been reached or passed.

Information

If any of the following conditions occur, the mileage and number of days to service may be incorrect.

- **The battery cable is disconnected.**
- **The fuse switch is turned off.**
- **The battery is discharged.**

7. Other Features

- Fuel Economy Auto Reset
- Off: The average fuel economy will not reset automatically whenever refueling.
- After Ignition: The average fuel economy will reset automatically whenever it has passed 4 hours after turning OFF the engine.
- After recharging: The average fuel economy will reset automatically when refueling.

For more information, refer to "Trip Computer" in this chapter.

- Fuel Economy Unit

To select the fuel economy unit. (km/L, L/100, MPG)

- Temperature Unit

To select the temperature unit. (°C,°F)

- Tire Pressure Unit

To select the tire pressure unit. (psi, kPa, bar)

8. Reset

You can reset the menus in the User Settings Mode. All menus in the User Settings Mode are initialized, except language and service interval.

DEP
DEALER ePROCESS

Warning messages (if equipped)

Shift to P (for smart key system and automatic transaxle)

- This warning message illuminates if you try to turn off the engine without the shift lever in P (Park) position.
- At this time, the Engine Start/Stop button turns to the ACC position (If you press the Engine Start/Stop button once more, it will turn to the ON position).

Low Key Battery (for smart key system)

- This warning message illuminates if the battery of the smart key is discharged when the Engine Start/Stop button changes to the OFF position.

Press START button while turning wheel (for smart key system)

- This warning message illuminates if the steering wheel does not unlock normally when the Engine Start/Stop button is pressed.
- It means that you should press the Engine Start/Stop button while turning the steering wheel right and left.

Steering wheel not locked (for smart key system)

- This warning message illuminates if the steering wheel does not lock when the Engine Start/Stop button changes to the OFF position.

Check steering wheel lock system (for smart key system)

- This warning message illuminates if the steering wheel does not lock normally when the Engine Start/Stop button changes to the OFF position.

Press brake pedal to start engine (for smart key system and automatic transaxle)

- This warning message illuminates if the Engine Start/Stop button changes to the ACC position twice by pressing the button repeatedly without depressing the brake pedal.
- It means that you should depress the brake pedal to start the engine.

Key not in vehicle (for smart key system)

- This warning message illuminates if the smart key is not in the vehicle when you press the Engine Start/Stop button.
- It means that you always have the smart key with you.

Key not detected (for smart key system)

- This warning message illuminates if the smart key is not detected when you press the Engine Start/Stop button.

DEP DEALER ePROCESS

Press START button again (for smart key system)

- This warning message illuminates if you can not operate the Engine Start/Stop button when there is a problem with the Engine Start/Stop button system.
- It means that you could start the engine by pressing the Engine Start/Stop button once more.
- If the warning illuminates each time you press the Engine Start/Stop button, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Press START button with key (for smart key system)

- This warning message illuminates if you press the Engine Start/Stop button while the warning message "Key not detected" is illuminating.
- At this time, the immobilizer indicator light blinks.

Check BRAKE SWITCH fuse (for smart key system and automatic transaxle)

- This warning message illuminates if the brake switch fuse is disconnected.
- It means that you should replace the fuse with a new one. If that is not possible, you can start the engine by pressing the Engine Start/Stop button for 10 seconds in the ACC position.

Shift to P or N to start engine (for smart key system and automatic transaxle)

- This warning message illuminates if you try to start the engine with the shift lever not in the P (Park) or N (Neutral) position.

Information

You can start the engine with the shift lever in the N (Neutral) position. But, for your safety, we recommend that you start the engine with the shift lever in the P (Park) position.

Door, Hood, Trunk Open



OLF047584

It means that any door, hood, or trunk is open.

⚠ CAUTION

Before driving the vehicle, you should confirm that the door/hood/trunk is fully closed.

Also, check there is no door/hood/trunk open warning light or message displayed on the instrument cluster.

DEP
DEALER ePROCESS

Sunroof Open (if equipped)



OLF047696

This warning message illuminates if you turn off the engine when the sunroof is open.

Turn on FUSE SWITCH

- This warning message illuminates if the fuse switch located on the fuse box under the steering wheel is OFF.
- It means that you should turn the fuse switch on.

For more details, refer to "Fuses" in chapter 7.

Low Tire Pressure

This warning message illuminates if the tire pressure is low with the ignition switch or the Engine/Start Button in ON position.

For more information, refer to "Tire Pressure Monitoring System (TPMS)" in chapter 6.

Low Washer Fluid

- This warning message illuminates if the washer fluid level in the reservoir is nearly empty.
- It means that you should refill the washer fluid.

Low Fuel

- This warning message illuminates if the fuel tank is nearly empty.
 - When the low fuel level warning light is illuminates.
 - When the trip computer displays "--- mile (or km)" as distance to empty.

 Add fuel as soon as possible.

Engine has overheated

- This warning message illuminates when the engine coolant temperature is above 248°F (120°C). This means that the engine is overheated and may be damaged.

If your vehicle is overheated, refer to "Overheating" in chapter 6.

DEP DEALER ePROCESS

Check headlight (if equipped)

This warning message illuminates if there is a malfunction (burned-out bulb except LED lamp or circuit malfunction) with the headlamp. In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

NOTICE

- **When replacing the bulb, use the same wattage bulb.**

 For more information, refer to "BULB WATTAGE" in chapter 8.
- **If the different wattage bulb is equipped with the vehicle, this warning message is not displayed.**

Check headlamp LED (if equipped)

This warning message is displayed if there is a problem with the LED headlamp. We recommend you to have the vehicle inspected by an authorized HYUNDAI dealer.

Check headlamp cooling fan (if equipped)

This warning message is displayed if there is a problem with headlamp fan. We recommend you to have the vehicle inspected by an authorized HYUNDAI dealer.

Check smart high beam system (if equipped)

This warning message is displayed if there is a problem with the Smart High Beam System. We recommend you to have the vehicle inspected by an authorized HYUNDAI dealer.

For more information, refer to "Smart High Beam System" in chapter 3.

Check AEB system (if equipped)

This warning message is displayed if there is a malfunction with the Autonomous Emergency Braking (AEB) system. We recommend that the vehicle be inspected by an authorized HYUNDAI dealer.

For more details, refer to "Autonomous Emergency Braking (AEB) system" in chapter 5.

DEP
DEALER ePROCESS

Attention Alert Check System (if equipped)

This warning message is displayed if there is a problem with the Driver Attention Alert System. We recommend you to have the vehicle inspected by an authorized HYUNDAI dealer.

For more information, refer to "Driver Attention Alert (DAA)" in chapter 5.

Check BSD System (if equipped)

This warning message is displayed if there is a problem with the Blind Spot Detection (BSD) system. We recommend that the vehicle be inspected by an authorized HYUNDAI dealer.

For more information, refer to "Blind Spot Detection (BSD) System" in chapter 5.

Check LKAS (if equipped)

This warning message is displayed if there is a problem with the Lane Keeping Assist System (LKAS). We recommend you to have the vehicle inspected by an authorized HYUNDAI dealer.

For more information, refer to "Lane Keeping Assist System (LKAS)" in chapter 5.

DEP DEALER ePROCESS

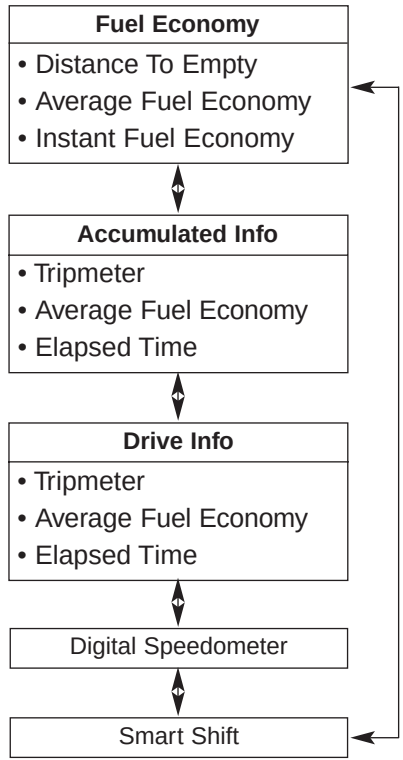
TRIP COMPUTER

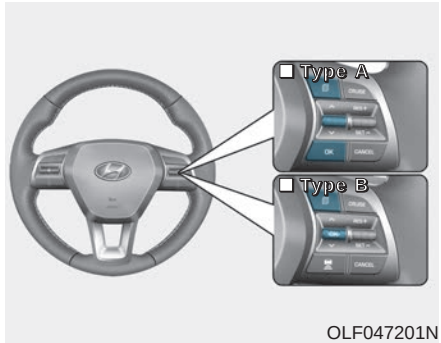
The trip computer is a microcomputer-controlled driver information system that displays information related to driving.

Information

Some driving information stored in the trip computer (for example Average Vehicle Speed) resets if the battery is disconnected.

Trip modes



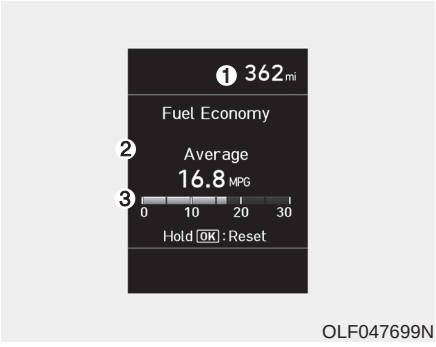


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To change the trip mode, toggle the "∧, ∨" switch on the steering wheel.

DEP
DEALER ePROCESS

Fuel economy



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Distance To Empty (1)

- The distance to empty is the estimated distance the vehicle can be driven with the remaining fuel.

 - Distance range: 1 ~ 9999 mi. or 1 ~ 9999 km

- If the estimated distance is below 1 mi. (1 km), the trip computer will display "---" as distance to empty.

Information

- **If the vehicle is not on level ground or the battery power has been interrupted, the distance to empty function may not operate correctly.**
- **The distance to empty may differ from the actual driving distance as it is an estimate of the available driving distance.**
- **The trip computer may not register additional fuel if less than 1.6 gallons (6 liters) of fuel are added to the vehicle.**
- **The fuel economy and distance to empty may vary significantly based on driving conditions, driving habits, and condition of the vehicle.**

Average Fuel Economy (2)

- The average fuel economy is calculated by the total driving distance and fuel consumption since the last average fuel economy reset.
- The average fuel economy can be reset both manually and automatically.

Manual reset

To clear the average fuel economy manually, press the [OK] button on the steering wheel for more than 1 second when the average fuel economy is displayed.

DEP DEALER ePROCESS

Automatic reset

To automatically reset the average fuel economy after refueling, select the "Auto Reset" mode in User Settings menu on the LCD display.

- After Ignition: The average fuel economy will reset automatically whenever it has passed 4 hours after turning OFF the engine.
- After Refueling: The average fuel economy will reset automatically when driving speed exceeds 0.6 MPH, after adding 1.6 gallons (6 liters) of fuel or more.

Information

The average fuel economy may be inaccurate, when the vehicle drives shorter than 0.19 miles (300 meters) after turning ON the Engine Start/ Stop button.

Instant Fuel Economy (3)

- This mode displays the instant fuel economy during the last few seconds when the vehicle speed is more than 6.2 MPH (10 km/h).

Accumulated Info display



OLF047689N

This display shows the accumulated trip distance (1), the average fuel economy (2), and the total driving time (3).

The information is calculated starting from the last reset.

To manually reset the information, press and hold the OK button when viewing the Accumulated driving info. The trip distance, the average fuel economy, and total driving time will reset simultaneously.

The accumulated driving information will continue to be counted while the engine is still running (for example, when the vehicle is in traffic or stopped at a stop light.)

Information

The vehicle must be driven for a minimum of 0.19 miles (300 meters) since the last ignition key cycle before the average fuel economy will be recalculated.

DEP
DEALER ePROCESS

Driving Info display



OLF047690N

This display shows the trip distance (1), the average fuel economy (2), and the total driving time (3).

The information is calculated for each ignition cycle. The driving information data gets initialized, when it has passed 4 hours after turning OFF the engine. In other words, the last driving information is available 4 hours after you have turned on the engine.

To manually reset the information, press and hold the OK button when viewing the Driving info. The trip distance, the average fuel economy, and total driving time will reset simultaneously.

The driving information will continue to be counted while the engine is still running (for example, when the vehicle is in traffic or stopped at a stop light.)

Information

The vehicle must be driven for a minimum of 0.19 miles (300 meters) since the last ignition key cycle before the average fuel economy will be recalculated.

Digital Speedometer



OLF047635N

This message shows the speed of the vehicle (MPH).

DEP DEALER ePROCESS

Smart Shift



OLF057559N

This display shows currently set the drive mode.

For more information, refer to "Drive mode integrated control system" in chapter 5.

DEP
DEALER ePROCESS

WARNING AND INDICATOR LIGHTS

Warning Lights

Information

Make sure that all warning lights are OFF after starting the engine. If any light is still ON, this indicates a situation that needs attention.

Supplemental Restraint System Warning Light



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 6 seconds and then goes off.
- When there is a malfunction with the SRS.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Seat Belt Warning Light



This warning light informs the driver that the seat belt is not fastened.

For more information, refer to the "Seat Belts" in chapter 2.

DEP DEALER ePROCESS

Parking Brake & Brake Fluid Warning Light



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds.
 - It remains on if the parking brake is applied.
- When the parking brake is applied.
- When the brake fluid level in the reservoir is low.
 - If the warning light illuminates with the parking brake released, it indicates the brake fluid level in reservoir is low.

If the brake fluid level in the reservoir is low:

1. Drive carefully to the nearest safe location and stop your vehicle.
2. With the engine stopped, check the brake fluid level immediately and add fluid as required **(For more information, refer to "Brake Fluid" in chapter 7)**. Then check all brake components for fluid leaks. If any leak on the brake system is still found, the warning light remains on, or the brakes do not operate properly, do not drive the vehicle. In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Dual-diagonal braking system

Your vehicle is equipped with dual-diagonal braking systems. This means you still have braking on two wheels even if one of the dual systems should fail.

With only one of the dual systems working, more than normal pedal travel and greater pedal pressure are required to stop the vehicle.

Also, the vehicle will not stop in as short a distance with only a portion of the brake system working.

If the brakes fail while you are driving, shift to a lower gear for additional engine braking and stop the vehicle as soon as it is safe to do so.

DEP
DEALER ePROCESS

⚠ WARNING

Parking Brake & Brake Fluid Warning Light

Driving the vehicle with a warning light ON is dangerous. If the Parking Brake & Brake Fluid Warning Light illuminates with the parking brake released, it indicates that the brake fluid level is low.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Anti-lock Brake System (ABS) Warning Light



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the ABS (The normal braking system will still be operational without the assistance of the anti-lock brake system).

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Electronic Brake force Distribution (EBD) System Warning Light





These two warning lights illuminate at the same time while driving:

When the ABS and regular brake system may not work normally.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

DEP DEALER ePROCESS

⚠ WARNING

Electronic Brake force Distribution (EBD) System Warning Light

When both ABS and Parking Brake & Brake Fluid Warning Lights are on, the brake system will not work normally and you may experience an unexpected and dangerous situation during sudden braking.

In this case, avoid high speed driving and abrupt braking.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

i Information - Electronic Brake force Distribution (EBD) System Warning Light

When the ABS Warning Light is on or both ABS and Parking Brake & Brake Fluid Warning Lights are on, the speedometer, odometer, or tripmeter may not work. Also, the EPS Warning Light may illuminate and the steering effort may increase or decrease.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Electric Power Steering (EPS) Warning Light (if equipped)



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It remains on until the engine is started.
- When there is a malfunction with the EPS.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

Malfunction Indicator Lamp (MIL)



This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It remains on until the engine is started.
- When there is a malfunction with the emission control system.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

NOTICE

- Malfunction Indicator Lamp (MIL)

Driving with the Malfunction Indicator Lamp (MIL) on may cause damage to the emission control systems which could affect drivability and/or fuel economy.

NOTICE

If the Malfunction Indicator Lamp (MIL) illuminates, potential catalytic converter damage is possible which could result in loss of engine power.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Charging System Warning Light



If this warning light comes on while the engine is running, the battery is not being charged. Immediately turn off all electrical accessories. Try not to use electrically operated controls, such as the power windows. Keep the engine running; starting the engine will quickly discharge the battery.

If there is a malfunction with either the alternator or electrical charging system:

1. Drive carefully to the nearest safe location and stop your vehicle.
2. Turn the engine off and check the alternator drive belt for looseness or breakage.

 If the belt is adjusted properly, there may be a problem in the electrical charging system.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

DEP DEALER ePROCESS

Engine Oil Pressure Warning Light



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It remains on until the engine is started.
- When the engine oil pressure is low.

If the engine oil pressure is low:

1. Drive carefully to the nearest safe location and stop your vehicle.
2. Turn the engine off and check the engine oil level **(For more information, refer to "Engine Oil" in chapter 7)**. If the level is low, add oil as required.

 If the warning light remains on after adding oil and restarting the engine or if oil is not available, turn off the engine. There is a mechanical concern that needs to be repaired before you can continue driving. In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

NOTICE

- Engine Oil Pressure Warning light

To prevent severe engine damage, after the Engine Oil Pressure Warning Light is illuminated and as soon as it is safe to do so, turn the engine off and check the oil level.

If the oil level is low, fill the engine oil to the proper level and start the engine again. If the light stays on with the engine running, turn the engine off immediately.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Low Fuel Level Warning Light



This warning light illuminates:

When the fuel tank is nearly empty.

Add fuel as soon as possible.

NOTICE

- Low Fuel Level

Driving with the Low Fuel Level warning light on or with the fuel level below "E" can cause the engine to misfire and damage the catalytic converter (if equipped).

DEP
DEALER ePROCESS

Low Tire Pressure Warning Light



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When one or more of your tires are significantly underinflated (The location of the underinflated tires are displayed on the LCD display).

For more information, refer to "Tire Pressure Monitoring System (TPMS)" in chapter 6.

This warning light remains on after blinking for approximately 60 seconds or repeats blinking and off at the intervals of approximately 3 seconds:

When there is a malfunction with the TPMS.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

For more information, refer to "Tire Pressure Monitoring System (TPMS)" in chapter 6.

⚠ WARNING

Safe Stopping

- **The TPMS cannot alert you to severe and sudden tire damage caused by external factors.**
- **If you notice any vehicle instability, immediately take your foot off the accelerator pedal, apply the brakes gradually with light force, and slowly move to a safe position off the road.**

Automatic Emergency Braking (AEB) Warning light (if equipped)



This warning light illuminates :

- When the AEB system is turned off.
- When the radar or its cover is stained. Remove the stains with a soft cloth.
- When there is a malfunction with AEB. In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Door Ajar Warning Light



This warning light illuminates:

When a door is not closed securely.

Trunk Open Warning Light



This warning light illuminates:

When the trunk lid is not closed securely.

DEP DEALER ePROCESS

Electronic Parking Brake (EPB) Warning Light (if equipped)



This warning light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the EPB.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Information - Electronic Parking Brake (EPB) Warning Light

The Electronic Parking Brake (EPB) Warning Light may illuminate when the Electronic Stability control (ESC) Indicator Light comes on to indicates that the ESC is not working properly (This does not indicate malfunction of the EPB).

Master Warning Light



This indicator light illuminates

When there is a malfunction on the low washer, Smart cruise control, and so on.

To identify the details of the warning, look at the LCD display.

Indicator Lights

Electronic Stability Control (ESC) Indicator Light



This indicator light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the ESC system.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

This indicator light blinks:

While the ESC is operating.

For more information, refer to "Electronic Stability Control (ESC)" in chapter 5.

DEP
DEALER ePROCESS

Electronic Stability Control (ESC) OFF Indicator Light



This indicator light illuminates:

- Once you set the ignition switch or the Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When you deactivate the ESC system by pressing the ESC OFF button.

For more information, refer to "Electronic Stability Control (ESC)" in chapter 5.

Immobilizer Indicator Light (Without Smart Key)



This indicator light illuminates:

When the vehicle detects the immobilizer in your key properly while the ignition switch is ON.

- At this time, you can start the engine.
- The indicator light goes off after starting the engine.

This indicator light blinks:

When there is a malfunction with the immobilizer system.

In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Immobilizer Indicator Light (With Smart Key)



This indicator light illuminates for up to 30 seconds:

When the vehicle detects the smart key in the vehicle properly while the ignition switch or the Engine Start/Stop button is ACC or ON.

- At this time, you can start the engine.
- The indicator light goes off after starting the engine.

This indicator light blinks for a few seconds:

When the smart key is not in the vehicle.

- At this time, you can not start the engine.

DEP DEALER ePROCESS

This indicator light illuminates for 2 seconds and goes off:

When the vehicle can not detect the smart key which is in the vehicle while the ignition switch or the Engine Start/Stop button is ON.

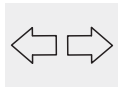
In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

This indicator light blinks:

- When the battery of the smart key is weak.
 - At this time, you can not start the engine. However, you can start the engine if you press the ignition switch or the Engine Start/Stop button with the smart key. **(For more information, refer to "Starting the Engine" in chapter 5)**.
- When there is a malfunction with the immobilizer system.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

Turn Signal Indicator Light



This indicator light blinks:

When you turn the turn signal light on.

If any of the following occurs, there may be a malfunction with the turn signal system. In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

- The indicator light does not blink but illuminates.
- The indicator light blinks more rapidly.
- The indicator light does not illuminate at all.

High Beam Indicator Light



This indicator light illuminates:

- When the headlights are on and in the high beam position.
- When the turn signal lever is pulled into the Flash-to-Pass position.

Smart High Beam indicator (if equipped)



This warning light illuminates :

- When the high-Beam is on with the light switch in the AUTO light position.
- If your vehicle detects oncoming or preceding vehicles, the Smart High Beam system will switch the high beam to low beam automatically.

For more information, refer to "Smart High Beam" in this chapter.

DEP
DEALER ePROCESS

Light ON Indicator Light



This indicator light illuminates:

When the tail lights or headlights are on.

Adaptive Front Lighting System (AFLS) Warning Light (if equipped)



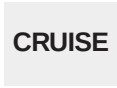
This warning light illuminates:

- Once you set the Engine Start/ Stop Button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the AFLS.

If there is a malfunction with the AFLS:

1. Drive carefully to a safe location and stop the vehicle.
2. Turn the engine off and restart the engine. If the indicator light remains on, have your vehicle inspected by an authorized HYUNDAI dealer.

Cruise Indicator Light (if equipped)



This indicator light illuminates:

When the cruise control system is enabled.

For more information, refer to "Cruise Control System" in chapter 5.

Cruise SET Indicator Light (if equipped)

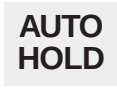


This indicator light illuminates:

When the cruise control speed is set.

For more information, refer to "Cruise Control System" in chapter 5.

AUTO HOLD Indicator Light (if equipped)



This indicator light illuminates:

- [White] When you activate the auto hold system by pressing the AUTO HOLD button.
- [Green] When you stop the vehicle completely by depressing the brake pedal with the auto hold system activated.
- [Yellow] When there is a malfunction with the auto hold system.

 In this case, have your vehicle inspected by an authorized HYUNDAI dealer.

For more information, refer to "Auto Hold" in chapter 5.

DEP
DEALER ePROCESS

SPORT Mode Indicator Light

SPORT

This indicator light illuminates:

When you select "SPORT" mode as drive mode.

For more information, refer to "Drive Mode Integrated Control System" in chapter 5.

ECO Mode Indicator Light

ECO

This indicator light illuminates :

When you select "ECO" mode as drive mode.

For more information, refer to "LCD Display" in this chapter.

⚠ WARNING

Do not watch the ECO indicator light while driving. This will distract you and may cause an accident that results in severe personal injury.

Lane Keeping Assist System (LKAS) Indicator Light (if equipped)



This indicator light illuminates:

- [Green] When the system operating conditions are satisfied.
- [White] The system operating conditions are not satisfied.
- [Yellow] When there is a malfunction with the lane keeping assist system.

 In this case, we recommend you to have your vehicle inspected by an authorized HYUNDAI dealer.

For more details, refer to "Lane Keeping Assist System (LKAS)" in chapter 5.

DEP
DEALER ePROCESS

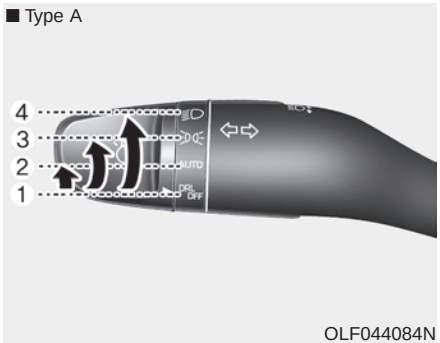
LIGHT

Exterior Lights

Lighting control

To operate the lights, turn the knob at the end of the control lever to one of the following positions:

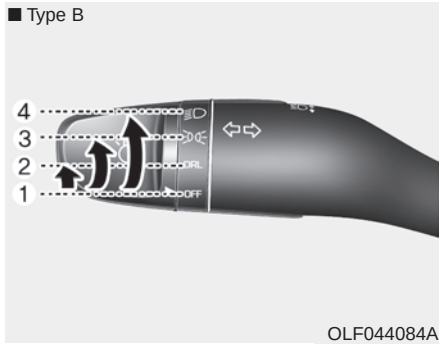
■ Type A



OLF044084N

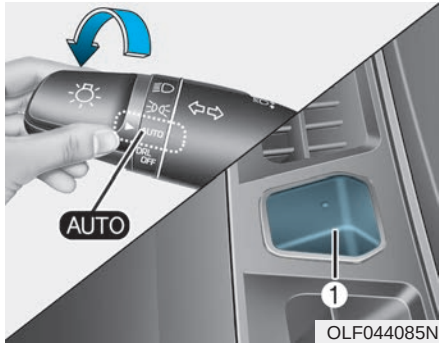
(1) DRL OFF position
(2) AUTO light position
(3) Parking lamp position
(4) Headlamp position

■ Type B



OLF044084A

(1) OFF position
(2) DRL position
(3) Parking lamp position
(4) Headlamp position



OLF044085N

AUTO light position (if equipped)

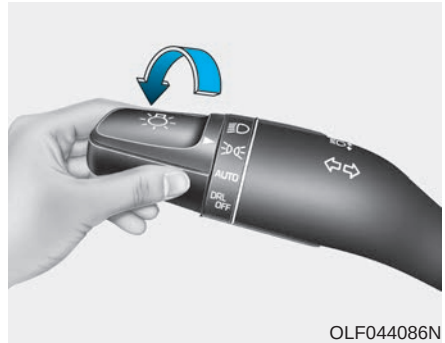
The parking lamp and headlamp will be turned ON or OFF automatically depending on the amount of light outside the vehicle.

Even with the AUTO light feature in operation, it is recommended to manually turn ON the lamps when driving at night or in a fog, or when you enter dark areas, such as tunnels and parking facilities.

DEP
DEALER ePROCESS

NOTICE

- **Do not cover or spill anything on the sensor (1) located in front of the instrument panel.**
- **Do not clean the sensor using a window cleaner, the cleanser may leave a light film which could interfere with sensor operation.**
- **If your vehicle has window tint or other types of metallic coating on the front windshield, the AUTO light system may not work properly.**



OLF044086N

Parking lamp position (≡D◇≡)

The parking lamp, license plate lamp and instrument panel lamp are turned ON.



OLF044087N

Headlamp position (≡D)

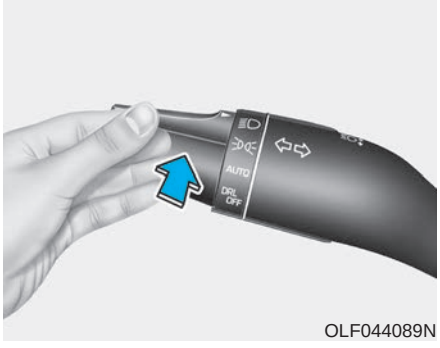
The headlamp, parking lamp, license plate lamp and instrument panel lamp are turned ON.

i Information

The ignition switch must be in the ON position to turn on the headlamp.

DEP
DEALER ePROCESS

High beam operation



OLF044089N

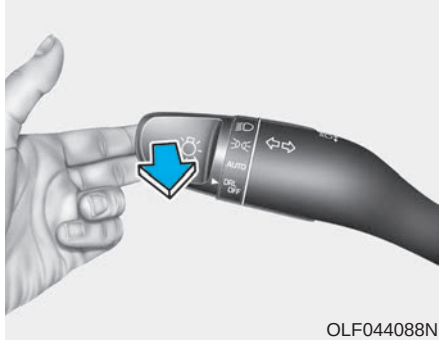
To turn on the high beam headlamp, push the lever away from you. The lever will return to its original position.

The high beam indicator will light when the headlamp high beams are switched on.

To turn off the high beam headlamp, pull the lever towards you. The low beams will turn on.

⚠ WARNING

Do not use high beam when there are other vehicles approaching you. Using high beam could obstruct the other driver's vision.



OLF044088N

To flash the high beam headlamp, pull the lever towards you, then release the lever. The high beams will remain ON as long as you hold the lever towards you.

Smart High Beam (if equipped)



OLF044090N

The Smart High Beam is a system that automatically adjusts the headlamp range (switches between high beam and low beam) according to the brightness of other vehicles and road conditions.

DEP DEALER ePROCESS

Operating condition

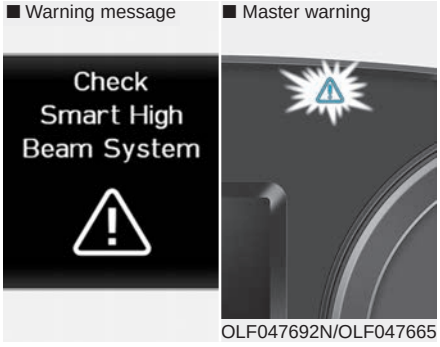
1. Place the light switch in the AUTO position.
2. Turn on the high beam by pushing the lever away from you.

 The smart high beam (AUTO) indicator will illuminate.
3. The Smart High Beam will turn on when vehicle speed is above 28 mph (45km/h).
 - If the lever is pushed away when the Smart High Beam is operating, the Smart High Beam will turn off and the high beam will be on continuously. The smart high beam (AUTO) indicator will turn off.
 - If the lever is pulled towards you when the Smart High Beam is operating, the Smart High Beam will turn off.
4. If the light switch is placed to the headlamp position, the Smart High Beam will turn off and the low beam will be on continuously.

The high beam switches to low beam in the below conditions.

- When the Smart High Beam is off.
- When the light switch is not in the AUTO position.
- When the headlamp is detected from the on-coming vehicle.
- When the tail lamp is detected from the front vehicle.
- When the surrounding is bright enough high beams are not needed.
- When streetlights or other lights are detected.
- When vehicle speed is below 18 mph (35km/h).

Warning light and message



OLF047692N/OLF047665

When the Smart High Beam Assist System is not working properly, the warning message will come on for a few second. After the message disappears, the master warning light will illuminate. Take your vehicle to an authorized HYUNDAI dealer and have the system checked.

DEP
DEALER ePROCESS

⚠ CAUTION

The system may not operate normally in the below conditions.

- **When the light from the oncoming or front vehicle is not detected because of lamp damage, hidden from sight, etc.**
- **When the lamp of the on-coming or front vehicle is covered with dust, snow or water.**
- **When the light from the oncoming or front vehicle is not detected because of exhaust fume, smoke, fog, snow, etc.**
- **When the front window is covered with foreign matters such as ice, dust, fog, or is damaged.**

(Continued)

(Continued)

- **When there is a similar shape lamp with the front vehicle's lamps.**
- **When it is hard to see because of fog, heavy rain or snow.**
- **When the headlamp is not repaired or replaced at an authorized dealer.**
- **When headlamp aiming is not properly adjusted.**
- **When driving on a narrow curved road or rough road.**
- **When driving downhill or uphill.**
- **When only part of the vehicle in front is visible on a cross-road or curved road.**
- **When there is a traffic light, reflecting sign, flashing sign or mirror.**

(Continued)

(Continued)

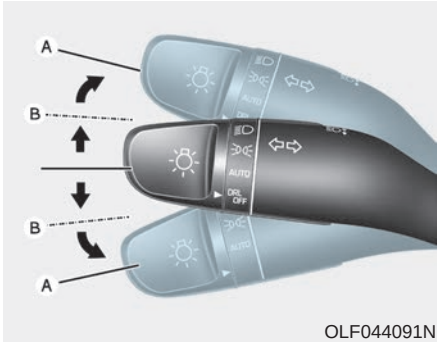
- **When the road conditions are bad such as being wet or covered with snow.**
- **When the front vehicle's headlamps are off but the fog lamps on.**
- **When a vehicle suddenly appears from a curve.**
- **When the vehicle is tilted from a flat tire or being towed.**
- **When the LKAS (Lane Keeping Assist System) warning light illuminates. (if equipped)**

DEP DEALER ePROCESS

⚠ WARNING

- **Do not place any accessories, stickers or tint the windshield.**
- **Have the windshield glass replaced from an authorized dealer.**
- **Do not remove or impact related parts of the Smart High Beam system.**
- **Be careful that water doesn't get into the Smart High Beam unit.**
- **Do not place objects on the dashboard that reflects light such as mirrors, white paper, etc. The system may malfunction if sunlight is reflected.**
- **At times, the Smart High Beam system may not work properly, always check the road conditions for your safety. When the system does not operate normally, manually change between the high beam and low beam.**

Turn signals and lane change signals



OLF044091N

To signal a turn, push down on the lever for a left turn or up for a right turn in position (A). To signal a lane change, move the turn signal lever slightly and hold it in position (B). The lever will return to the OFF position when released or when the turn is completed.

If an indicator stays on and does not flash or if it flashes abnormally, one of the turn signal bulbs may be burned out and will require replacement.

Onetouch turn signal function

To activate an One Touch Turn Signal function, move the turn signal lever slightly and then release it. The lane change signals will blink 3, 5 or 7 times.

You can activate or deactivate the One Touch Turn Signal function or choose the number of blinking (3, 5, or 7) from the User Settings Mode (Light) on the LCD display.

For more information, refer to the "LCD Display" section in this chapter.

DEP
DEALER ePROCESS

Battery saver function

The purpose of this feature is to prevent the battery from being discharged. The system automatically turns off the parking lamp when the key is removed (remote key) or when the driver turns the engine off (smart key) and opens the driver-side door.

With this feature, the parking lamps will turn off automatically if the driver parks on the side of road at night.

If necessary, to keep the lamps on when the engine is turned off, perform the following:

1) Open the driver-side door.
2) Turn the parking lamps OFF and ON again using the light switch on the steering column.

Headlamp delay function (if equipped)

If the key is removed from the ignition switch or placed in the ACC position or the LOCK/OFF position with the headlamps ON, the headlamps (and/or parking lamps) remain on for about 5 minutes. However, if the driver's door is opened and closed, the headlights are turned off after 15 seconds. However, with the engine off if the driver's door is opened and closed, the headlamps (and/or parking lamps) are turned off after 15 seconds.

The headlamps (and/or parking lamps) can be turned off by pressing the lock button on the remote key or smart key twice or turning the light switch to the OFF or AUTO position. However, if you turn the light switch to the AUTO position when it is dark outside, the headlamps will not be turned off.

You can activate or deactivate the Headlamp Delay function from the User Settings Mode (Light) on the LCD display.

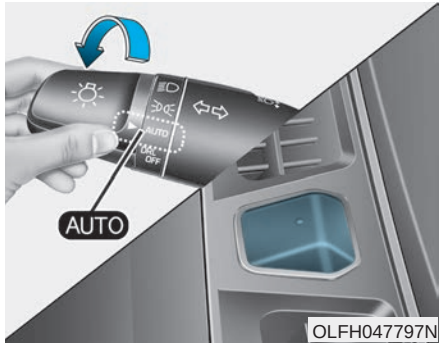
For more information, refer to the "LCD Display" section in this chapter.

NOTICE

If the driver gets out of the vehicle through other doors (except driver's door), the battery saver function does not operate and the headlamp delay function does not turn off automatically. Therefore, It causes the battery to be discharged. In this case, make sure to turn off the lamp before getting out of the vehicle.

DEP DEALER ePROCESS

AFLS (Adaptive Front Lighting System) a.k.a. DBL (Dynamic Bending Light) (if equipped)



Adaptive front lighting system uses the steering angle and vehicle speed to help maximize your field of vision by swiveling and leveling the headlamp.

Change the switch to the AUTO position when the engine is running. The adaptive front lighting system will operate when the headlamps are ON. To turn off the AFLS, change the switch to other positions. After turning the AFLS off, headlamp swiveling no longer occurs, but the leveling will operate continuously.

If the AFLS malfunction indicator comes on, the AFLS is not working properly. Drive to the nearest safe location and restart the engine. If the indicator continuously remains on, we recommend that the system be checked by an authorized HYUNDAI dealer.

Daytime running light (DRL) (if equipped)

The Daytime Running Lights (DRL) can make it easier for others to see the front of your vehicle during the day, especially after dawn and before sunset.

for U.S.A

The DRL will turn off when:

• Type A

1. The light switch is not in the AUTO position.
2. The parking brake is applied.
3. The engine is turned off.

• Type B

1. The light switch is not in DRL position.
2. The parking brake is applied.
3. The engine is turned off.

for Canada

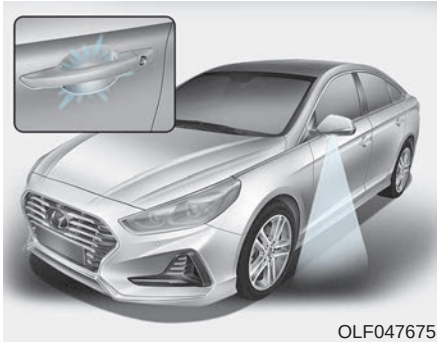
The DRL will turn off when:

1. The light switch is in the headlamp position, including the operation that the headlamp is turned on automatically in the AUTO light position.
2. The parking brake is applied.
3. The engine is turned off.

DEP
DEALER ePROCESS

Welcome System (if equipped)

Welcome light



OLF047675

Door handle lamp (if equipped)

When all the doors (and trunk) are closed and locked, the door handle lamp will come on for about 15 seconds if any of the below is performed.

- When the door unlock button is pressed on the remote key or smart key.
- When the button of the outside door handle is pressed.
- When the vehicle is approached with the smart key in possession.

Headlamp and Parking lamp

When the headlamp (lamp switch in the headlamp or AUTO position) is on and all doors (and trunk) are locked and closed, the parking lamp and headlamp will come on for 15 seconds if/or any of the below is performed.

- When the door unlock button is pressed on the remote key or smart key.

At this time, if you press the door lock or unlock button on the remote key or smart key the parking lamp and headlamp will turn off immediately.

You can activate or deactivate the Welcome Light from the User Settings Mode (Light) on the LCD display.

For more information, refer to the "LCD Display" section in this chapter.

Interior lamp

When the interior lamp switch is in the DOOR position and all doors (and trunk) are closed and locked, the room lamp will come on for 30 seconds if any of the below is performed.

- When the door unlock button is pressed on the remote key or smart key.
- When the button of the outside door handle is pressed.

At this time, if you press the door lock or unlock button on the remote key or smart key the room lamp will turn off immediately.

DEP DEALER ePROCESS

Interior Lights

⚠ WARNING

Do not use the interior lights when driving in the dark. The interior lights may obscure your view and cause an accident.

NOTICE

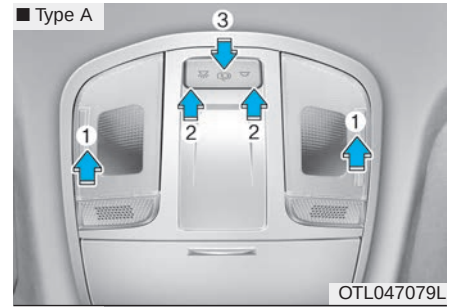
Do not use the interior lights for extended periods when the engine is turned off or the battery will discharge.

Interior lamp AUTO cut

The interior lamps will automatically go off approximately 20 minutes after the engine is turned off and the doors closed. If a door is opened, the lamp will go off 40 minutes after the engine is turned off. If the doors are locked by the remote key or smart key and the vehicle enters the armed stage of the theft alarm system, the lamps will go off five seconds later.

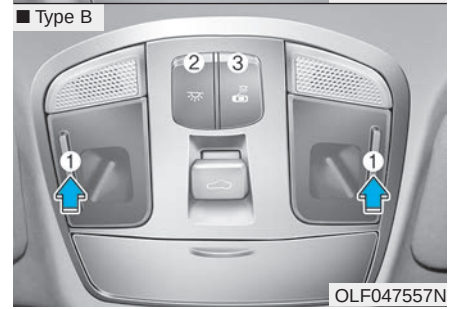
Front lamps

■ Type A



OTL047079L

■ Type B



OLF047557N

(1) Front Map Lamp
(2) Front Room Lamp
(3) Front Door Lamp

DEP
DEALER ePROCESS

Front Map Lamp:

Press either of these lens (1) to turn the map lamp on or off. This light produces a spot beam for convenient use as a map lamp at night or as a personal lamp for the driver and the front passenger.

Front Door Lamp :

The front or rear room lamps come on when the front or rear doors are opened if the engine is running or not. When doors are unlocked by the remote key or smart key, the front and rear lamps come on for approximately 15 seconds as long as any door is not opened. The front and rear room lamps go out gradually after approximately 15 seconds if the door is closed. However, if the ignition switch is in the ON position or all doors are locked, the front and rear lamps will turn off immediately.

If a door is opened with the ignition switch in the ACC position or the LOCK/OFF position, the front and rear lamps stay on for about 20 minutes. However, if a door is opened with the ignition switch in the ON position, the lamps stays on continuously.

Front Room Lamp:

• Type A

: Press this switch to turn the front and rear room lamps on.

: Press this switch to turn the front and rear room lamps off.

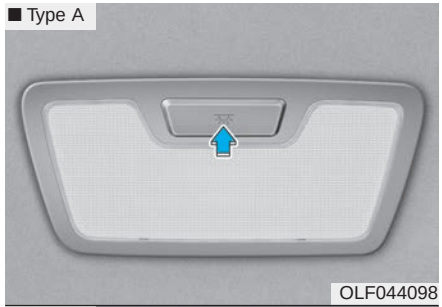
• Type B

: Press this switch to turn the front and rear room lamps on and off.

DEP DEALER ePROCESS

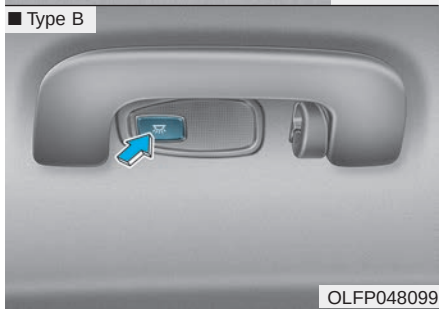
Rear lamps

■ Type A



OLF044098

■ Type B

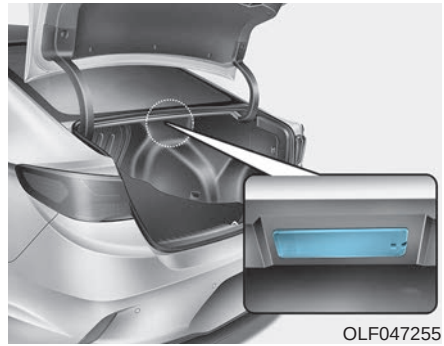


OLFP048099

Rear Room Lamp :

Press this switch to turn the room lamp on and off.

Trunk room lamp



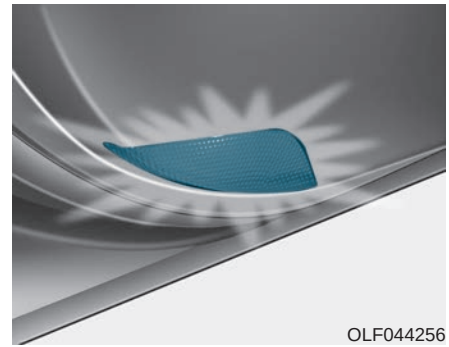
OLF047255

The trunk room lamp comes on when the trunk is opened.

NOTICE

The trunk lamp comes on as long as the trunk lid is open. To prevent unnecessary charging system drain, close the trunk lid securely after using the trunk.

Door courtesy lamp (if equipped)



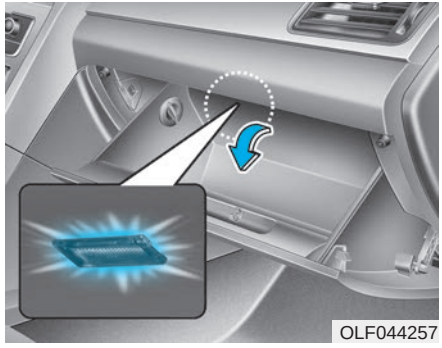
OLF044256

The door courtesy lamp comes ON when the door is opened to assist entering or exiting the vehicle. It also serves as a warning to passing vehicles that the vehicle door is open.

When the ignition switch is in the LOCK/OFF or ACC position, the door courtesy lamp turns off after 20 minutes.

DEP
DEALER ePROCESS

Glove box lamp (if equipped)



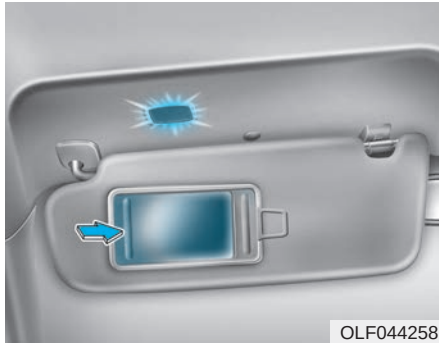
The glove box lamp comes on when the glove box is opened.

If the glove box is not closed, the lamp will turn off after 20 minutes.

NOTICE

To prevent unnecessary charging system drain, close the glove box securely after using the glove box.

Vanity mirror lamp

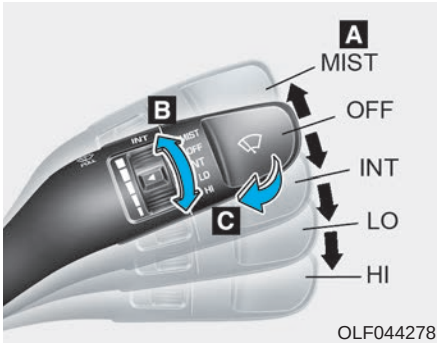


Opening the lid of the vanity mirror will automatically turn on the mirror light.

NOTICE

To prevent unnecessary charging system drain, close the vanity mirror cover after using the mirror.

DEP DEALER ePROCESS



A : Wiper speed control

- MIST – Single wipe
- OFF – Off
- INT – Intermittent wipe
- LO – Low wiper speed
- HI – High wiper speed

B : Intermittent control wipe time adjustment

C : Wash with brief wipes

Windshield Wipers

Operates as follows when the ignition switch is in the ON position.

MIST : For a single wiping cycle, push the lever upward and release. The wipers will operate continuously if the lever is held in this position.

OFF : Wiper is not in operation.

INT : Wiper operates intermittently at the same wiping intervals. To vary the speed setting, move the speed control lever.

LO : The wiper runs at a lower speed.

HI : The wiper runs at a higher speed.

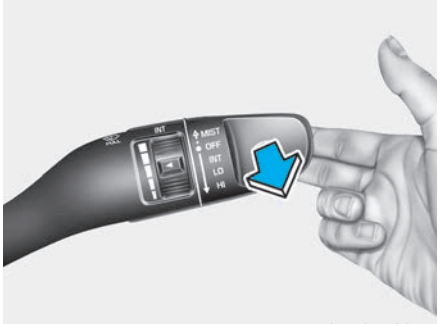
Information

If there is heavy accumulation of snow or ice on the windshield, defrost the windshield for about 10 minutes, or until the snow and/or ice is removed before using the windshield wipers to ensure proper operation.

If you do not remove the snow and/or ice before using the wiper and washer, it may damage the wiper and washer system.

DEP
DEALER ePROCESS

Windshield Washers



OLF044095N

In the OFF position, pull the lever gently toward you to spray washer fluid on the windshield and to run the wipers 1-3 cycles. The spray and wiper operation will continue until you release the lever. If the washer does not work, you may need to add washer fluid to the washer fluid reservoir.

If equipped with the Headlamp Washer, washer fluid will be sprayed on the headlamp at the same time you operate the windshield washer when:

1. The ignition switch is in the ON position.
2. The light switch is in the headlamp position.

⚠ WARNING

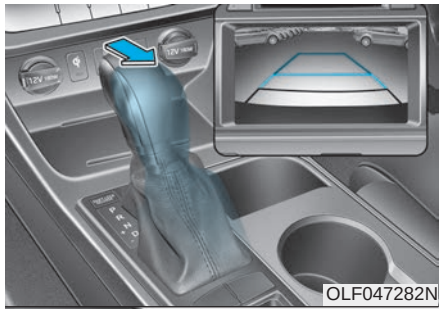
When the outside temperature is below freezing, ALWAYS warm the windshield using the defroster to prevent the washer fluid from freezing on the windshield and obscuring your vision which could result in an accident and serious injury or death.

NOTICE

- **To prevent possible damage to the washer pump, do not operate the washer when the fluid reservoir is empty.**
- **To prevent possible damage to the wipers or windshield, do not operate the wipers when the windshield is dry.**
- **To prevent damage to the wiper arms and other components, do not attempt to move the wipers manually.**
- **To prevent possible damage to the wipers and washer system, use anti-freezing washer fluids in the winter season or cold weather.**

DEP DEALER ePROCESS

Rear View Camera (if equipped)



The Rear View Camera will activate when the engine is running and the shift lever is in the R (Reverse) position.

This is a supplemental system that shows behind the vehicle through the navigation display while backing-up.

⚠ WARNING

The Rear View Camera is not a safety device. It only serves to assist the driver in identifying objects directly behind the middle of the vehicle. The camera does NOT cover the complete area behind the vehicle.

⚠ WARNING

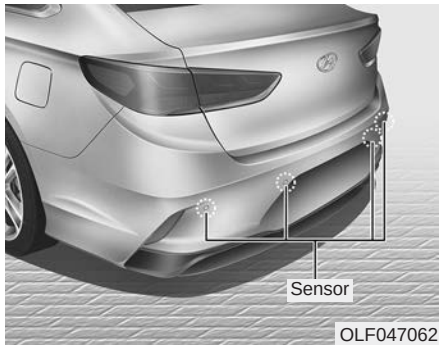
- **Never rely solely on the Rear View Camera when backing-up.**
- **ALWAYS look around your vehicle to make sure there are no objects or obstacles before moving the vehicle in any direction to prevent a collision.**
- **Always pay close attention when the vehicle is driven close to objects, particularly pedestrians, and especially children.**

NOTICE

Always keep the camera lens clean. The camera may not work normally if the lens is covered with foreign matter.

DEP
DEALER ePROCESS

Rear Parking Assist System (if equipped)



The Rear Parking Assist System assists the driver during reverse movement of the vehicle by chiming if any object is sensed within the distance of 50 inches (120 cm) behind the vehicle.

This system is a supplemental system that senses objects within the range and location of the sensors, it cannot detect objects in other areas where sensors are not installed.

⚠ WARNING

- **ALWAYS look around your vehicle to make sure there are not any objects or obstacles before moving the vehicle in any direction to prevent a collision.**
- **Always pay close attention when the vehicle is driven close to objects, particularly pedestrians, and especially children.**
- **Be aware that some objects may not be visible on the screen or be detected by the sensors, due to the objects distance, size or material, all of which can limit the effectiveness of the sensor.**

Operation of the Rear Parking Assist System

Operating condition

- This system will activate when backing up with the ignition switch in the ON position. However, if vehicle speed exceeds 3 mph (5km/h), the system may not detect objects.
- If vehicle speed exceeds 6 mph (10 km/h), the system will not warn you even though objects are detected.
- When more than two objects are sensed at the same time, the closest one will be recognized first.

DEP DEALER ePROCESS

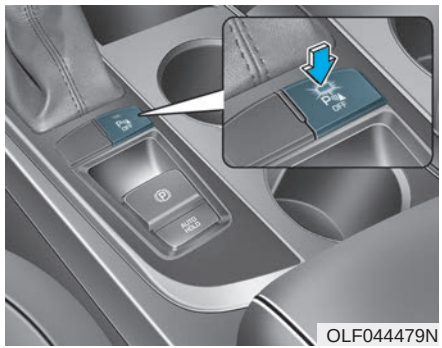
Types of warning sound and indicator

Types of warning sound	Indicator
When an object is 47 in. to 24 in. (120 cm to 60 cm) from the rear bumper : Buzzer beeps intermittently.	
When an object is 24 in. to 12 in. (60 cm to 30 cm) from the rear bumper : Buzzer beeps more frequently.	
When an object is within 12 in. (30 cm) of the rear bumper : Buzzer beeps continuously.	

NOTICE

- **The indicator may differ from the illustration as objects or sensors status. If the indicator blinks, have your vehicle checked by an authorized HYUNDAI dealer.**
- **If the audible warning does not sound or if the buzzer sounds intermittently when shifting into R (Reverse) position, this may indicate a malfunction with the Parking Assist System. If this occurs, have your vehicle checked by an authorized HYUNDAI dealer as soon as possible.**

To turn off the Rear Parking Assist System



Push the button to turn off the Rear Parking Assist System. The indicator light on the button will turn on.

DEP
DEALER ePROCESS

Non-operational conditions of Parking Assist System

The Rear Parking Assist System may not operate normally when:

- Moisture is frozen to the sensor.
- Sensor is covered with foreign matter, such as snow or water, or the sensor cover is blocked.

There is a possibility of the Rear Parking Assist System malfunction when:

- Driving on uneven road surfaces such as unpaved roads, gravel, bumps, or gradient.
- Objects generating excessive noise such as vehicle horns, loud motorcycle engines, or truck air brakes can interfere with the sensor.
- Heavy rain or water spray is present.
- Wireless transmitters or mobile phones are present near the sensor.
- The sensor is covered with snow.
- Any non-factory equipment or accessories have been installed, or if the vehicle bumper height or sensor installation has been modified.

Detecting range may decrease when:

- Outside air temperature is extremely hot or cold.
- Undetectable objects smaller than 40 inches (1 m) and narrower than 6 inches (14 cm) in diameter.

The following objects may not be recognized by the sensor:

- Sharp or slim objects such as ropes, chains or small poles.
- Objects, which tend to absorb sensor frequency such as clothes, spongy material or snow.

NOTICE

Sensor may not recognize objects less than 12 inches (30 cm) from the sensor, or it may sense an incorrect distance.

NOTICE

Do not push, scratch or strike the sensor with any hard objects that could damage the surface of the sensor. Sensor damage could occur.

⚠ WARNING

Your new vehicle warranty does not cover any accidents or damage to the vehicle or injuries to its occupants related to a Rear Parking Assist System. Always drive safely and cautiously.

DEP DEALER ePROCESS

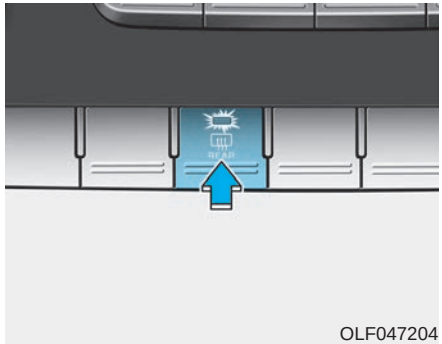
DEFROSTER

NOTICE

To prevent damage to the conductors bonded to the inside surface of the rear window, never use sharp instruments or window cleaners containing abrasives to clean the window.

If you want to defrost and defog the front windshield, refer to the "Windshield Defrosting and Defogging" section in this chapter.

Rear Window Defroster



OLF047204

The defroster heats the window to remove frost, fog and thin ice from the interior and exterior of the rear window, while engine is running.

- To activate the rear window defroster, press the rear window defroster button located in the center facia switch panel. The indicator on the rear window defroster button illuminates when the defroster is ON.
- To turn off the defroster, press the rear window defroster button again.

Information

- **If there is heavy accumulation of snow on the rear window, brush it off before operating the rear defroster.**
- **The rear window defroster automatically turns off after approximately 20 minutes or when the ignition switch is in the LOCK/OFF position.**

Side view mirror defroster

If your vehicle is equipped with the side view mirror defrosters, they will operate at the same time you turn on the rear window defroster.

DEP
DEALER ePROCESS

MANUAL CLIMATE CONTROL SYSTEM (IF EQUIPPED)

■ **Type A**



■ **Type B**



1. Fan speed control knob
2. Temperature control knob
3. Mode selection buttons
4. Front windshield defroster button
5. Rear window defroster button
6. A/C (Air conditioning) button
7. Air intake control button

OLF047202/OLF047203

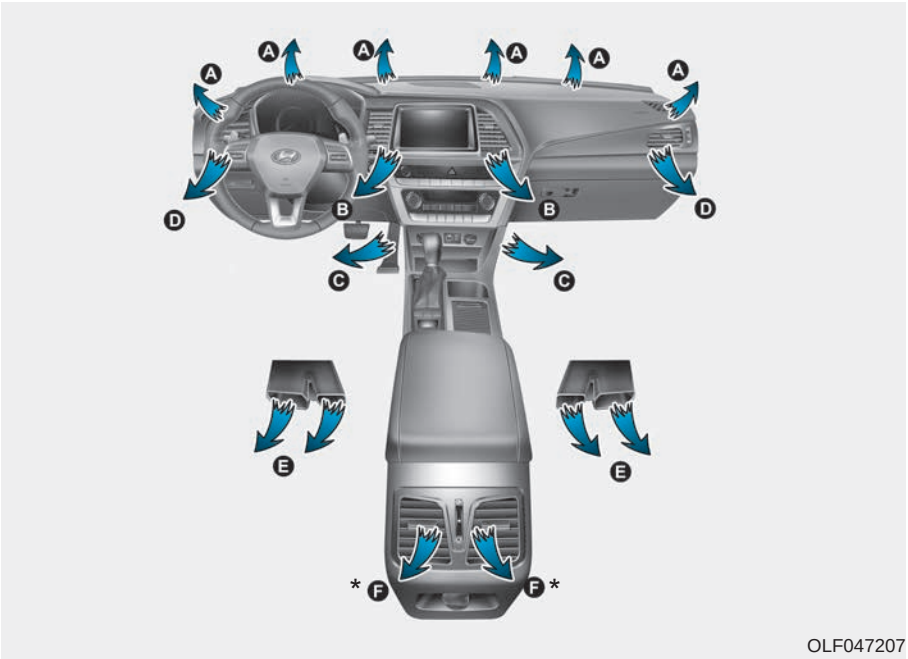
DEP
DEALER ePROCESS

Heating and Air Conditioning

1. Start the engine.
2. Set the mode to the desired position.

 To improve the effectiveness of heating and cooling :

 - Heating:
 - Cooling:
3. Set the temperature control to the desired position.
4. Set the air intake control to the outside (fresh) air or recirculated air position.
5. Set the fan speed control to the desired speed.
6. If air conditioning is desired, turn the air conditioning system on.

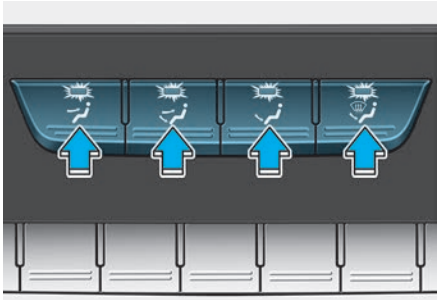


OLF047207

* : if equipped

DEP
DEALER ePROCESS

Mode selection



OLF047206

The mode selection button controls the direction of the air flow through the ventilation system.

Air can be directed to the floor, dashboard outlets, or windshield. Five symbols are used to represent Face, Bi-Level, Floor, Floor-Defrost and Defrost air position.

Face-Level (B, D, F)

Air flow is directed toward the upper body and face. Additionally, each outlet can be controlled to direct the air discharged from the outlet.

Bi-Level (B, D, C, E, F)

Air flow is directed towards the face and the floor.

Floor-Level (A, C, D, E)

Most of the air flow is directed to the floor, with a small amount of the air being directed to the windshield, side window defrosters, and side vents.

Floor & Defrost (A, C, D, E)

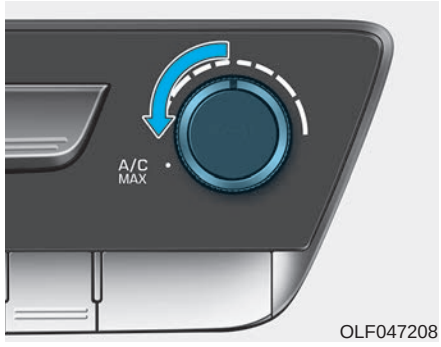
Most of the air flow is directed to the floor and the windshield with a small amount directed to the side window defrosters, and side vents.

Defrost-Level (A, D)

Most of the air flow is directed to the windshield with a small amount of air directed to the side vents.

DEP DEALER ePROCESS

A/C MAX-Level (B, D)



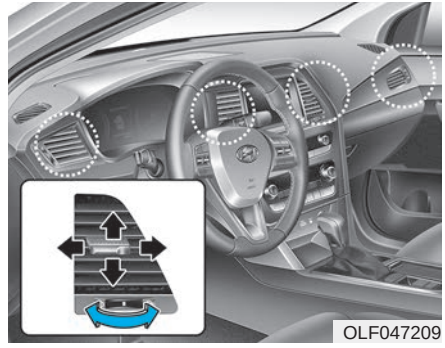
OLF047208

The A/C MAX mode is used to cool the inside of the vehicle more quickly. Air flow is directed toward the upper body and face.

In this mode, the air conditioning and the recirculated air position will be selected automatically.

After the vehicle interior has cooled down initially, resume using normal A/C mode. Continuous use of A/C MAX mode is not recommended.

Instrument panel vents


OLF047209

The outlet vents can be opened (≋) or closed (○) separately using the thumbwheel.

Also, you can adjust the direction of air delivered from these vents using the vent control lever as shown.

Temperature control



OLF047210

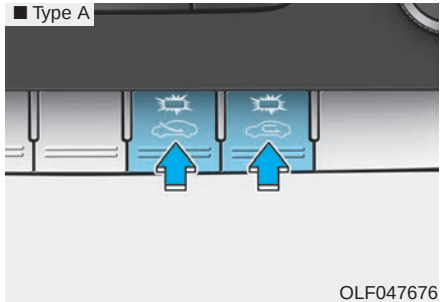
The temperature will increase by turning the knob to the right.

The temperature will decrease by turning the knob to the left.

DEP
DEALER ePROCESS

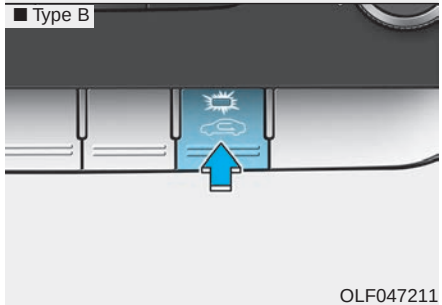
Air intake control

■ Type A



OLF047676

■ Type B



OLF047211

This button is used to select the outside (fresh) air position or recirculated air position.

Recirculated air position



The indicator light on the button illuminates when the recirculated air position is selected.

With the recirculated air position selected, air from the passenger compartment will be drawn through the climate control system and heated or cooled according to the function selected.

Outside (fresh) air position





The indicator light on the button will turn off when the outside (fresh) air position is selected.

With the outside (fresh) air position selected, air enters the vehicle from outside and is heated or cooled according to the function selected.

Information

Prolonged use of the air conditioning with the recirculated air position selected will result in excessively dry air in the passenger compartment.

DEP DEALER ePROCESS

⚠ WARNING

- **Continued use of the climate control system operation in the recirculated air position can cause drowsiness or sleepiness, that may cause loss of vehicle control resulting in an accident. Set the air intake control to the outside (fresh) air position as much as possible while driving.**
- **Continued use of the climate control system operation in the recirculated air position (without the air conditioning selected) may allow humidity to increase inside the vehicle which may fog the glass and obscure visibility.**
- **Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious injury or death due to a drop in the oxygen level and/or body temperature.**

Fan speed control

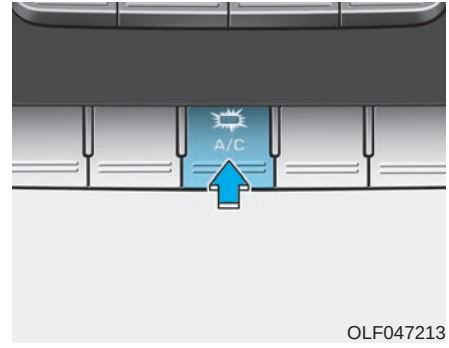


OLF047212

Turn the knob to the right to increase the fan speed and airflow. Turn the knob to the left to decrease fan speed and airflow.

Setting the fan speed control knob to the "0" position turns off the fan.

Air conditioning



OLF047213

Press the A/C button to turn the system on (indicator light will illuminate) and off.

DEP
DEALER ePROCESS

System Operation

Ventilation

1. Select the Face Level mode.
2. Set the air intake control to the outside (fresh) air position.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.

Heating

1. Select the Floor Level mode.
2. Set the air intake control to the outside (fresh) air position.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.
5. If dehumidified heating is desired, turn the air conditioning system on.

If the windshield fogs up, select the Floor & Defrost mode or press the Front Defrost mode.

Operation Tips

- To keep dust or unpleasant fumes from entering the car through the ventilation system, temporarily set the air intake control to the recirculated air position. Return the control to the fresh air position when the irritation has passed. This will help keep the driver alert and comfortable.
- To prevent the inside of the windshield from fogging, set the air intake control to the fresh air position and fan speed to the desired position, turn on the air conditioning system, and adjust the temperature control to desired temperature.

Air conditioning

All HYUNDAI Air Conditioning Systems are filled with environmentally friendly R-1234yf refrigerant.

1. Start the engine.
2. Push the air conditioning button.
3. Set the mode to the Face Level mode.
4. Set the air intake control to the recirculated air position. However, prolonged operation of the recirculated air position will excessively dry the air. In this case, change the air position.
5. Adjust the fan speed control and temperature control to maintain maximum comfort.

When maximum cooling is desired, set the temperature control to the extreme left position then set the fan speed control to the highest speed.

DEP DEALER ePROCESS

NOTICE

When using the air conditioning system, monitor the engine temperature gauge closely while driving up hills or in heavy traffic when outside temperatures are high. Air conditioning system operation can cause engine overheating. Continue to use the blower fan, but turn the air conditioning system off if the engine temperature gauge indicates engine overheating.

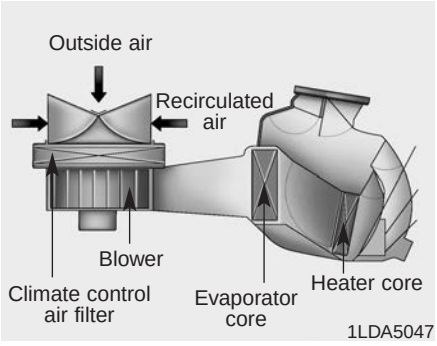
Air conditioning system operation tips

- If the vehicle has been parked in direct sunlight during hot weather, open the windows for a short time to let the hot air inside the vehicle escape.
- After sufficient cooling has been achieved, switch back from the recirculated air to the fresh outside air position.
- To help reduce moisture inside of the windows on rainy or humid days, decrease the humidity inside the vehicle by operating the air conditioning system with the windows and sunroof closed.
- Use the air conditioning system every month only for a few minutes to ensure maximum system performance.
- If you operate air conditioner excessively, the difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up, causing loss of visibility. In this case, set the mode selection knob or button to the position and fan speed control to the lower speed.

DEP
DEALER ePROCESS

System Maintenance

Climate control air filter



This filter is installed behind the glove box. It filters the dust or other pollutants that enter the vehicle through the heating and air conditioning system.

Have the climate control air filter replaced by an authorized HYUNDAI dealer according to the maintenance schedule. If the car is being driven in severe conditions such as dusty or rough roads, more frequent air conditioner filter inspections and changes are required.

If the air flow rate suddenly decreases, the system should be checked at an authorized HYUNDAI dealer.

Checking the amount of air conditioner refrigerant and compressor lubricant

When the amount of refrigerant is low, the performance of the air conditioning is reduced. Overfilling also has a negative influence on the air conditioning system.

Therefore, if abnormal operation is found, have the system inspected by an authorized HYUNDAI dealer.

NOTICE

It is important that the correct type and amount of oil and refrigerant is used. Otherwise, damage to the compressor and abnormal system operation may occur.

⚠ WARNING

Vehicles equipped with R-1234yf



Because the refrigerant is mildly inflammable at very high pressure, the air conditioning system should only be serviced by trained and certified technicians. It is important that the correct type and amount of oil and refrigerant is used.

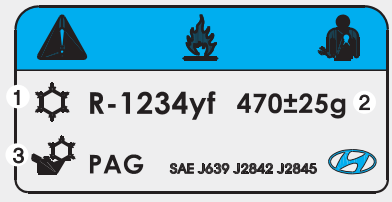
Otherwise, it may cause damage to the vehicle and personal injury.

The air conditioning system should be serviced by an authorized HYUNDAI dealer.

DEP DEALER ePROCESS

Air Conditioning refrigerant label

■ Example



OLF047704N

The actual Air Conditioning refrigerant label in the vehicle may differ from the illustration.

Each symbols and specification on air conditioning refrigerant label means as below :

1. Classification of refrigerant
2. Amount of refrigerant
3. Classification of Compressor lubricant

Refer to chapter 8 for more detail location of the air conditioning refrigerant label.

DEP
DEALER ePROCESS

AUTOMATIC CLIMATE CONTROL SYSTEM

■ **Type A**



■ **Type B**

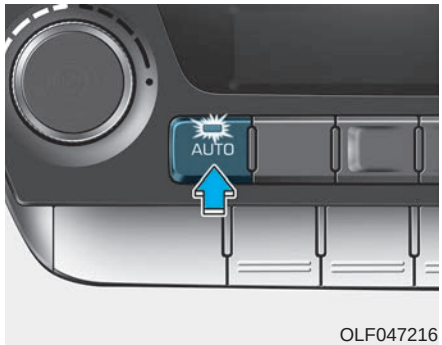


1. Driver's temperature control knob
2. Passenger's temperature control knob
3. AUTO (automatic control) button
4. OFF button
5. Fan speed control button
6. Mode selection button
7. SYNC button
8. Front windshield defroster button
9. Rear window defroster button
10. Air conditioning button
11. Air intake control button
12. Climate control information screen

OLF047685/OLF047214

DEP DEALER ePROCESS

Automatic Heating and Air Conditioning

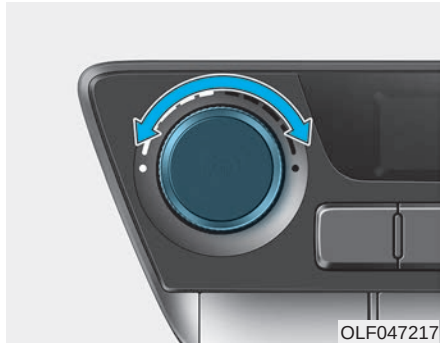


OLF047216

The Automatic Climate Control System is controlled by setting the desired temperature.

1. Press the AUTO button.

The modes, fan speeds, air intake and air-conditioning will be controlled automatically by the temperature setting you select.


OLF047217

2. Turn the temperature control knob to the desired temperature. If the temperature is set to the lowest setting (Lo), the air conditioning system will operate continuously.

To turn the automatic operation off, select any button of the following:

- Mode selection button
- Front windshield defroster button (Press the button one more time to deselect the front windshield defroster function. The 'AUTO' sign will illuminate on the information display once again.)
- Fan speed control button

The selected function will be controlled manually while other functions operate automatically.

For your convenience and to improve the effectiveness of the climate control, use the AUTO button and set the temperature to 73°F (23°C).

DEP
DEALER ePROCESS



NOTICE

Never place anything near the sensor to ensure better control of the heating and cooling system.

Manual Heating and Air Conditioning

The heating and cooling system can be controlled manually by pushing buttons other than the AUTO button. In this case, the system works sequentially according to the order of buttons selected.

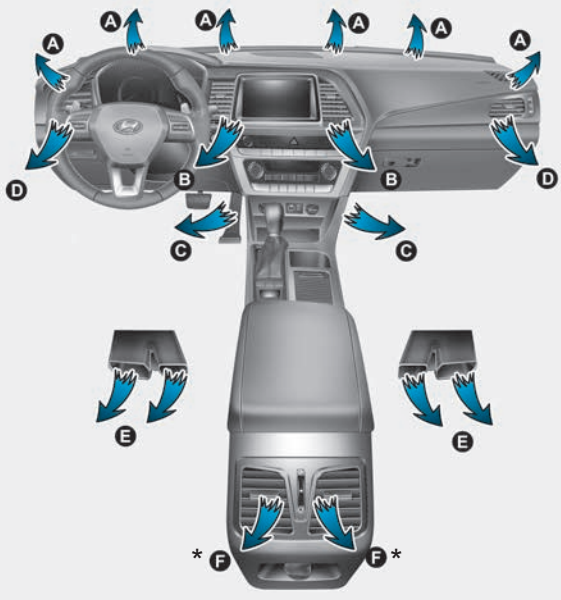
When pressing any button except the AUTO button while using automatic operation, the functions not selected will be controlled automatically.

1. Start the engine.
2. Set the mode to the desired position.

 To improve the effectiveness of heating and cooling:

 - Heating:
 - Cooling:
3. Set the temperature control to the desired position.
4. Set the air intake control to the outside (fresh) air position.
5. Set the fan speed control to the desired speed.
6. If air conditioning is desired, turn the air conditioning system on.
7. Press the AUTO button in order to enable full automatic control of the system.

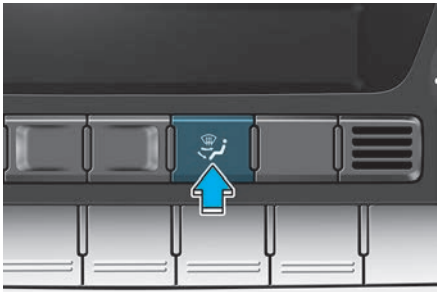
DEP DEALER ePROCESS



OLF047207

* : if equipped

Mode selection



OLF047219

The mode selection button controls the direction of the air flow through the ventilation system.

DEP
DEALER ePROCESS

The air flow outlet direction is cycled as follows:



Face-Level (B, D, F)

Air flow is directed toward the upper body and face. Additionally, each outlet can be controlled to direct the air discharged from the outlet.

Bi-Level (B, C, D, E, F)

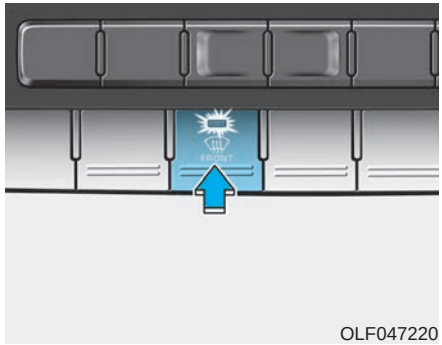
Air flow is directed towards the face and the floor.

Floor & Defrost (A, C, D, E)

Most of the air flow is directed to the floor and the windshield with a small amount directed to the side window defrosters.

Floor-Level (A, C, D, E)

Most of the air flow is directed to the floor, with a small amount of the air being directed to the windshield and side window defrosters.

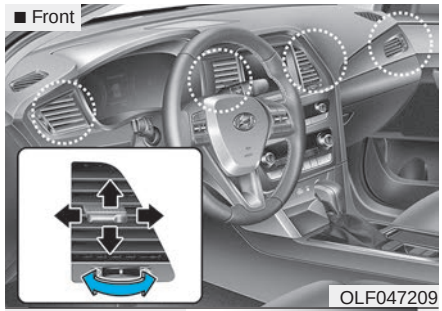


Defrost-Level (A)

Most of the air flow is directed to the windshield with a small amount of air directed to the side window defrosters.

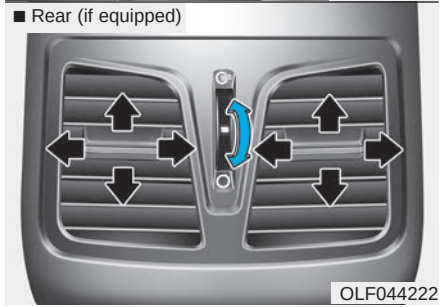
DEP
DEALER ePROCESS

■ Front



OLF047209

■ Rear (if equipped)



OLF044222

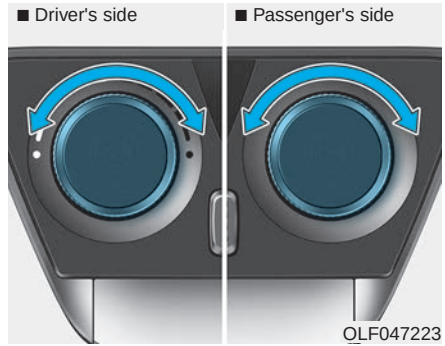
Instrument panel vents

The outlet vents can be opened () or closed () separately using the thumbwheel.

Also, you can adjust the direction of air delivered from these vents using the vent control lever as shown.

Temperature control

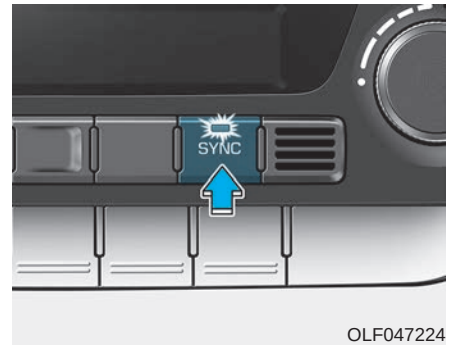
■ Driver's side ■ Passenger's side



OLF047223

Turn the knob to the right to increase the fan speed and airflow. Turn the knob to the left to decrease fan speed and airflow.

The temperature will increase or decrease by 1°F/0.5°C for each button press. When set to the lowest temperature setting, the air conditioning will operate continuously.



OLF047224

Adjusting the driver and passenger side temperature equally

- Press the "SYNC" button to operate the driver and passenger side temperature equally.

 The passenger side temperature will be set to the same temperature as the driver side temperature.
- Turn the left temperature control knob. The driver and passenger side temperature will be adjusted equally.

DEP
DEALER ePROCESS

Adjusting the driver and passenger side temperature individually

Press the "SYNC" button again to operate the driver and passenger side temperature individually. The button indicator will turn off.

Temperature conversion

If the battery has been discharged or disconnected, the temperature mode display will reset to Fahrenheit.

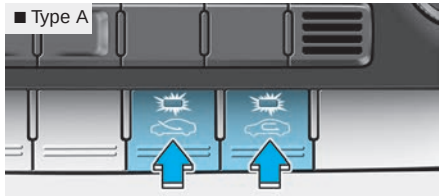
Methods to change the temperature unit from °F to °C or °C to °F:

- On the instrument cluster, go to User Settings Mode → Other Features → Temperature Unit.
- Press the AUTO button for 3 seconds while pressing the OFF button. (Automatic climate control system)

Both the temperature unit on the cluster LCD display and climate control screen will change.

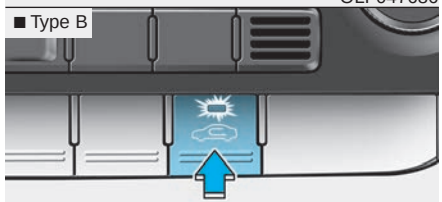
Air intake control

■ Type A



OLF047686

■ Type B



OLF047226

This button is used to select the outside (fresh) air position or recirculated air position.

Recirculated air position



With the recirculated air position selected, air from the passenger compartment will be drawn through the heating system and heated or cooled according to the function selected.

Outside (fresh) air position



With the outside (fresh) air position selected, air enters the vehicle from outside and is heated or cooled according to the function selected.

i Information

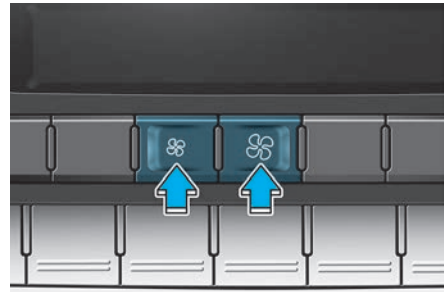
Prolonged use of the air conditioning with the recirculated air position selected will result in excessively dry air in the passenger compartment.

DEP DEALER ePROCESS

⚠ WARNING

- **Continued use of the climate control system operation in the recirculated air position can cause drowsiness or sleepiness, that may cause loss of vehicle control resulting in an accident. Set the air intake control to the outside (fresh) air position as much as possible while driving.**
- **Continued use of the climate control system operation in the recirculated air position (without the air conditioning selected) may allow humidity to increase inside the vehicle which may fog the glass and obscure visibility.**
- **Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious injury or death due to a drop in the oxygen level and/or body temperature.**

Fan speed control



OLF047227

The fan speed can be set to the desired speed by pushing the fan speed control button.

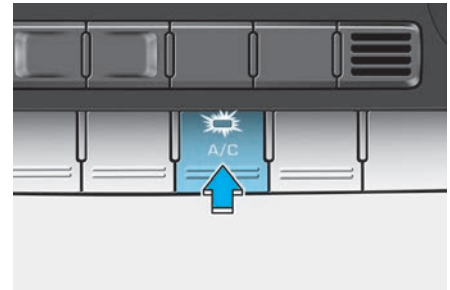
The higher the fan speed is, the more air is delivered.

Pressing the OFF button turns off the fan.

Information

For better sound quality, fan speed may automatically slow down for a couple of minutes when you activate voice recognition or hands free.

Air conditioning

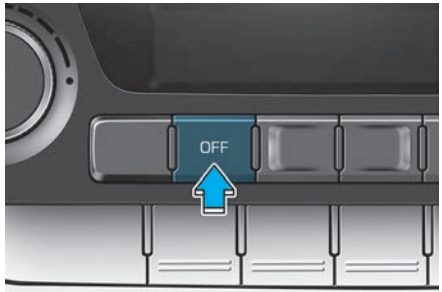


OLF047228

Push the A/C button to manually turn the system on (indicator light will illuminate) and off.

DEP
DEALER ePROCESS

OFF mode



OLF047230

Push the OFF button of the front to turn off the air climate control system. You can still operate the mode and air intake buttons as long as the ignition switch is in the ON position.

System Operation

Ventilation

1. Select the Face Level mode.
2. Set the air intake control to the outside (fresh) air position.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.

Heating

1. Select the Floor Level mode.
2. Set the air intake control to the outside (fresh) air position.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.
5. If dehumidified heating is desired, turn the air conditioning system on.

If the windshield fogs up, select the Floor & Defrost mode or press the Front Defrost mode.

Operation Tips

- To keep dust or unpleasant fumes from entering the car through the ventilation system, temporarily set the air intake control to the recirculated air position. Return the control to the fresh air position when the irritation has passed. This will help keep the driver alert and comfortable.
- To prevent the inside of the windshield from fogging, set the air intake control to the fresh air position and fan speed to the desired position, turn on the air conditioning system, and adjust the temperature control to desired temperature.

DEP DEALER ePROCESS

Air conditioning

All HYUNDAI Air Conditioning Systems are filled with environmentally friendly R-1234yf refrigerant.

1. Start the engine.
2. Push the air conditioning button.
3. Set the mode to the Face Level mode.
4. Set the air intake control to the recirculated air position. However, prolonged operation of the recirculated air position will excessively dry the air. In this case, change the air position.
5. Adjust the fan speed control and temperature control to maintain maximum comfort.

When maximum cooling is desired, set the temperature control to the extreme left position then set the fan speed control to the highest speed.

NOTICE

When using the air conditioning system, monitor the engine temperature gauge closely while driving up hills or in heavy traffic when outside temperatures are high. Air conditioning system operation can cause engine overheating. Continue to use the blower fan, but turn the air conditioning system off if the engine temperature gauge indicates engine overheating.

Air conditioning system operation tips

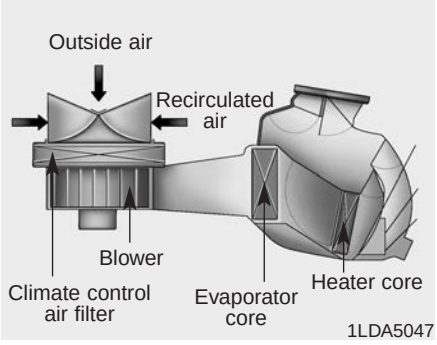
- If the vehicle has been parked in direct sunlight during hot weather, open the windows for a short time to let the hot air inside the vehicle escape.
- After sufficient cooling has been achieved, switch back from the recirculated air to the fresh outside air position.
- To help reduce moisture inside of the windows on rainy or humid days, decrease the humidity inside the vehicle by operating the air conditioning system with the windows and sunroof closed.
- Use the air conditioning system every month only for a few minutes to ensure maximum system performance.

DEP
DEALER ePROCESS

- If you operate air conditioner excessively, the difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up, causing loss of visibility. In this case, set the mode selection knob or button to the position and fan speed control to the lower speed.

System Maintenance

Climate control air filter



This filter is installed behind the glove box. It filters the dust or other pollutants that enter the vehicle through the heating and air conditioning system.

Have the climate control air filter replaced by an authorized HYUNDAI dealer according to the maintenance schedule. If the car is being driven in severe conditions such as dusty or rough roads, more frequent air conditioner filter inspections and changes are required.

If the air flow rate suddenly decreases, the system should be checked at an authorized HYUNDAI dealer.

Checking the amount of air conditioner refrigerant and compressor lubricant

When the amount of refrigerant is low, the performance of the air conditioning is reduced. Overfilling also has a negative influence on the air conditioning system.

Therefore, if abnormal operation is found, have the system inspected by an authorized HYUNDAI dealer.

NOTICE

It is important that the correct type and amount of oil and refrigerant is used. Otherwise, damage to the compressor and abnormal system operation may occur.

DEP DEALER ePROCESS

⚠ WARNING

Vehicles equipped with R-1234yf





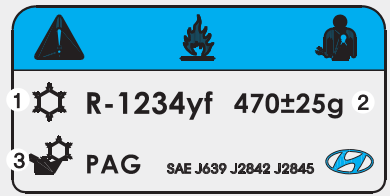
Because the refrigerant is mildly inflammable at very high pressure, the air conditioning system should only be serviced by trained and certified technicians. It is important that the correct type and amount of oil and refrigerant is used.

Otherwise, it may cause damage to the vehicle and personal injury.

The air conditioning system should be serviced by an authorized HYUNDAI dealer.

Air Conditioning refrigerant label

■ Example



OLF047704N

The actual Air Conditioning refrigerant label in the vehicle may differ from the illustration.

Each symbols and specification on air conditioning refrigerant label means as below :

1. Classification of refrigerant
2. Amount of refrigerant
3. Classification of Compressor lubricant

Refer to chapter 8 for more detail location of the air conditioning refrigerant label.

DEP
DEALER ePROCESS

WINDSHIELD DEFROSTING AND DEFOGGING

⚠ WARNING

Windshield heating

Do not use the or position during cooling operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up, causing loss of visibility could cause an accident resulting in serious injury or death. In this case, set the mode selection knob or button to the position and fan speed control knob or button to a lower speed.

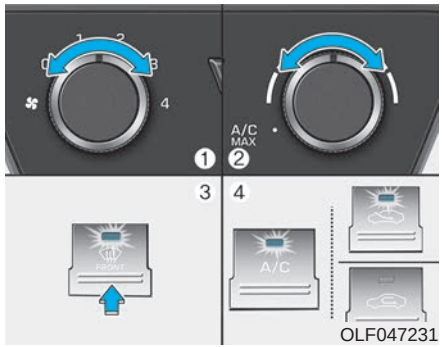
- For maximum defrosting, set the temperature control to the extreme right/hot position and the fan speed control to the highest speed.
- If warm air to the floor is desired while defrosting or defogging, set the mode to the floor-defrost position.
- Before driving, clear all snow and ice from the windshield, rear window, side view mirrors, and all side windows.
- Clear all snow and ice from the hood and air inlet in the cowl grill to improve heater and defroster efficiency and to reduce the probability of fogging up the inside of the windshield.

NOTICE

If the engine temperature is still cold after starting, then a brief engine warm up period may be required for the vented air flow to become warm or hot.

Manual Climate Control System

To defog inside windshield

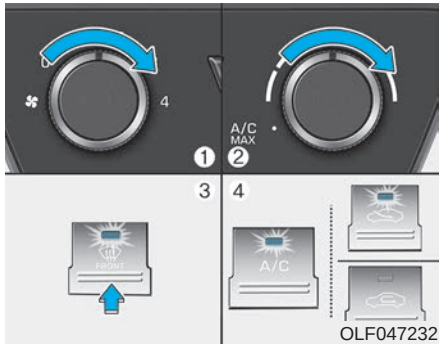


1. Select any fan speed except "0" position.
2. Select desired temperature.
3. Select the or position.
4. The outside (fresh) air will be selected automatically. Additionally, the air conditioning will automatically operate if the mode is selected to the position.

If the air conditioning and outside (fresh) air position are not selected automatically, press the corresponding button manually.

DEP DEALER ePROCESS

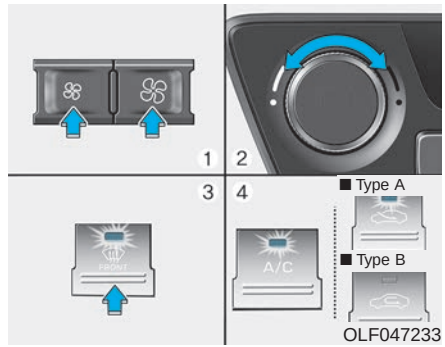
To defrost outside windshield



1. Set the fan speed to the highest (extreme right) position.
2. Set the temperature to the extreme hot position.
3. Select the position.
4. The outside (fresh) air and air conditioning will be selected automatically.

Automatic Climate Control System

To defog inside windshield

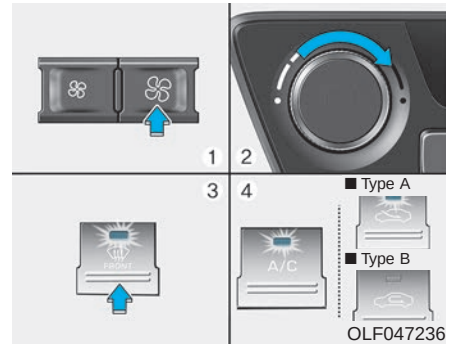


1. Select desired fan speed.
2. Select desired temperature.
3. Press the defroster button ().
4. The outside (fresh) air position will be selected automatically.

If the outside (fresh) air position is not selected automatically, adjust the corresponding button manually.

If the position is selected, lower fan speed is adjusted to a higher fan speed.

To defrost outside windshield



1. Set the fan speed to the highest (extreme right) position.
2. Set the temperature to the extreme hot (HI) position.
3. Press the defroster button ().
4. The outside (fresh) air position will be selected automatically.

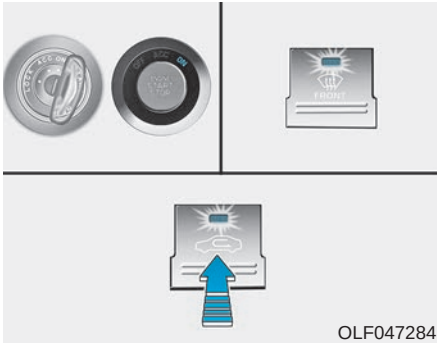
If the position is selected, lower fan speed is adjusted to a higher fan speed.

DEP
DEALER ePROCESS

Defogging logic (if equipped)

To reduce the probability of fogging up the inside of the windshield, the air intake or air conditioning are controlled automatically according to certain conditions such as or position. To cancel or return the defogging logic, do the following.

Manual climate control system



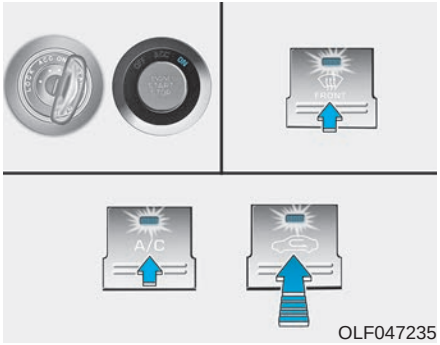
OLF047284

1. Turn the ignition switch to the ON position.
2. Press the defroster button () within 10 seconds.
3. Press the air intake control button at least 5 times within 3 seconds.

The indicator on the air intake button blinks 3 times with 0.5 seconds of interval. It indicates that the defogging logic is canceled or returned to the programmed status.

If the battery has been discharged or disconnected, it resets to the defog logic status.

Automatic climate control system



OLF047235

1. Turn the ignition switch to the ON position.
2. Press the defroster button ().
3. While pressing the air conditioning button (A/C), press the air intake control button at least 5 times within 3 seconds.

The climate control information screen will blink 3 times with 0.5 seconds of interval. It indicates that the defogging logic is canceled or returned to the programmed status.

If the battery has been discharged or disconnected, it resets to the defog logic status.

DEP DEALER ePROCESS

CLIMATE CONTROL ADDITIONAL FEATURES (IF EQUIPPED)

Automatic Ventilation (if equipped)

When the ignition switch is in the ON position or when the engine is running and outside temperature is below 59°F (15°C). At the same time, when A/C mode is off and mode is Bi-Level or Floor mode with the recirculated air position selected more than five minutes, the air intake position will automatically change to the outside (fresh) air position.

To cancel or reset the Automatic Ventilation

When the air conditioning system is on, select Face Level mode and while pressing the A/C button, press the recirculated air position button five times within three seconds.

Sunroof Inside Air Recirculation (if equipped)

When the heater or air conditioning system is on with the sunroof opened, the outside (fresh) air position will be automatically selected. At this time, if you press the recirculated air position button, the recirculated air position will be selected but will change back to the outside (fresh) air position after 3 minutes.

When the sunroof is closed, the air intake position will return to the original position that was selected.

DEP
DEALER ePROCESS

STORAGE COMPARTMENT

⚠ WARNING

Never store cigarette lighters, propane cylinders, or other flammable/explosive materials in the vehicle. These items may catch fire and/or explode if the vehicle is exposed to hot temperatures for extended periods.

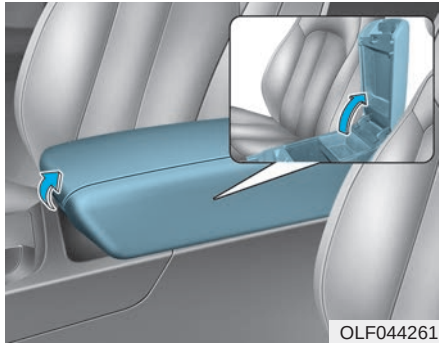
⚠ WARNING

ALWAYS keep the storage compartment covers closed securely while driving. Items inside your vehicle are moving as fast as the vehicle. If you have to stop or turn quickly, or if there is a crash, the items may fly out of the compartment and may cause an injury if they strike the driver or a passenger.

NOTICE

To avoid possible theft, do not leave valuables in the storage compartments.

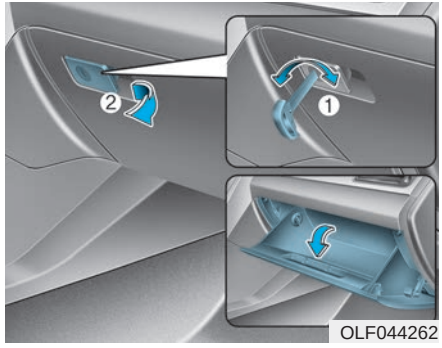
Center Console Storage


OLF044261

To open :

Press the button (1).

Glove Box



OLF044262

The glove box can be locked and unlocked with the mechanical key (1).

To open:

Pull the lever (2).

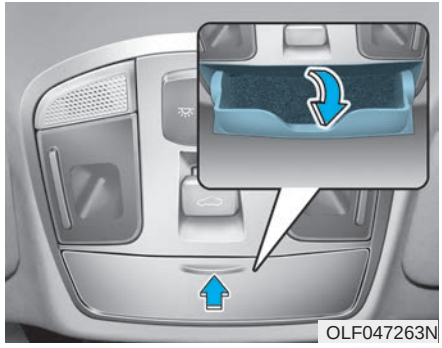
⚠ WARNING

ALWAYS close the glove box door after use.

An open glove box door can cause serious injury to the passenger in an accident, even if the passenger is wearing a seat belt.

DEP
DEALER ePROCESS

Sunglass Holder


OLF047263N

To open:

Press the cover and the holder will slowly open. Place your sunglasses in the compartment door with the lenses facing out.

To close:

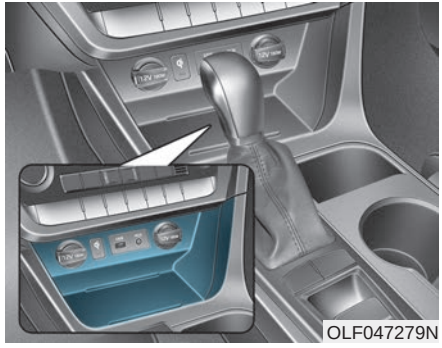
Push back into position.

Make sure the sunglass holder is closed while driving.

⚠ WARNING

- **Do not keep objects except sunglasses inside the sunglass holder. Such objects can be thrown from the holder in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.**
- **Do not open the sunglass holder while the vehicle is moving. The rear view mirror of the vehicle can be blocked by an open sunglass holder.**
- **Do not put the glasses forcibly into a sunglass holder. It may cause personal injury if you try to open it forcibly when the glasses are jammed in holder.**

Multi box

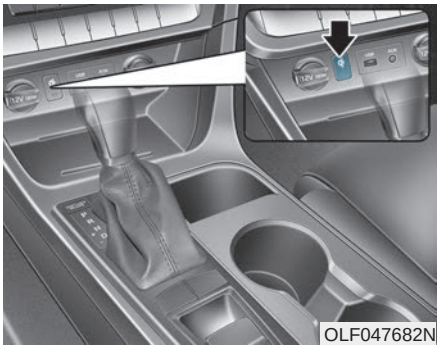

OLF047279N

You can use the multi box as a space that keeps the small objects.

DEP
DEALER ePROCESS

INTERIOR FEATURES

Wireless Cellular Phone Charging System (if equipped)



There is a wireless cellular phone charging inside the front console.

The system is available when all doors are closed, and when the Engine Start/Stop button is in the ACC/ON position.

To charge a cellular phone

The wireless cellular phone charging system charges only the Qi-enabled cellular phones (). Read the label on the cellular phone accessory cover or visit your cellular phone manufacturer's website to check whether your cellular phone supports the Qi technology.

The wireless charging process starts when you put a Qi-enabled cellular phone on the wireless charging unit.

1. Remove other items, including the smart key, from the wireless charging unit. If not, the wireless charging process may be interrupted.
2. The indicator illuminates in orange during the charging process. The indicator color changes to green, when the charging process is completed.
3. You can turn ON or OFF the wireless charging function in the user settings mode on the instrument cluster. (For further information, refer to the "LCD Modes" in this chapter.)

DEP DEALER ePROCESS

Slightly change the cellular phone position, when the cellular phone is not being charged. Make sure that the indicator illuminates in orange. The indicator color may not change to green in accordance with the cellular phone type, even though the charging process is completed. The indicator blinks in orange for 10 seconds when there is a malfunction with the wireless charging system. In this case, temporarily stop the charging process, and re-attempt to wirelessly charge your cellular phone again.

The system warns you with a message on the LCD display when you do not take out the cellular phone from the wireless charging unit with the front door open and the Engine Start/Stop button in the OFF position.

NOTICE

- **The wireless cellular phone charging system may not support certain cellular phones, which are not verified for the Qi specification (Qi).**
- **Locate your cell phone well in the middle of the wireless cellular phone charging system. Even when your cell phone locates slightly to one side, the charging speed may decrease.**
- **The wireless charging process may temporarily stop, when a smart key function operates (i.e. starting the engine, opening the doors, closing the doors).**
- **For certain cell phones, the indicator color may not change to green, even when the wireless charging process is properly completed.**

(Continued)

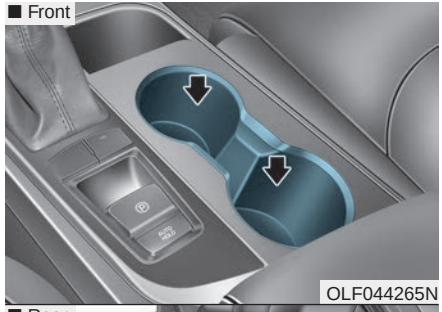
(Continued)

- **The wireless charging process may temporarily stop, when temperature abnormally increases inside the wireless cellular phone charging system. The wireless charging process restarts, when temperature falls to a proper level.**
- **The wireless charging process may temporarily stop when there is any metallic item, such as a coin, between the wireless cellular phone charging system and a cellular phone.**

DEP
DEALER ePROCESS

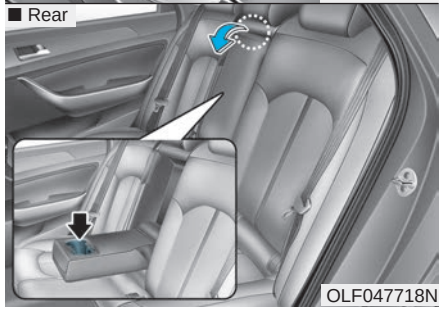
Cup Holder

■ Front



OLF044265N

■ Rear



OLF047718N

Cups or small beverages cups may be placed in the cup holders.

Rear

Pull the armrest down to use the cup holders.

⚠ WARNING

- **Avoid abrupt starting and braking when the cup holder is in use to prevent spilling your drink. If hot liquid spills, you could be burned. Such a burn to the driver could cause loss of vehicle control resulting in an accident.**
- **Do not place uncovered or unsecured cups, bottles, cans, etc., in the cup holder containing hot liquid while the vehicle is in motion. Injuries may result in the event of sudden stop or collision.**
- **Only use soft cups in the cup holders. Hard objects can injure you in an accident.**

⚠ WARNING

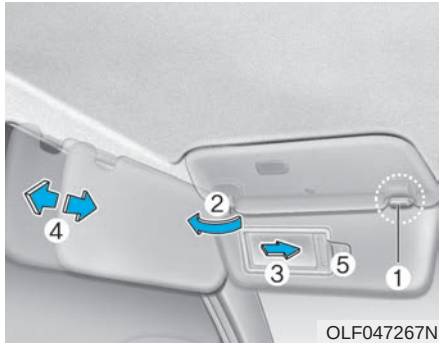
Keep cans or bottles out of direct sun light and do not put them in a hot vehicle. It may explode.

NOTICE

- **Keep your drinks sealed while driving to prevent spilling your drink. If liquid spills, it may get into the vehicle's electrical/electronic system and damage electrical/electronic parts.**
- **When cleaning spilled liquids, do not dry the cup holder at high temperature. This may damage the cup holder.**

DEP DEALER ePROCESS

Sunvisor



OLF047267N

To use a sunvisor, pull it downward.

To use a sunvisor for a side window, pull it downward, unsnap it from the bracket (1) and swing it to the side (2).

To use the vanity mirror, pull down the sunvisor and slide the mirror cover (3).

Adjust the sunvisor forward or backward (4) as needed. Use the ticket holder (5) to hold tickets.

NOTICE

Close the vanity mirror cover securely and return the sunvisor to its original position after use.

⚠ WARNING

For your safety, do not block your view when using the sunvisor.

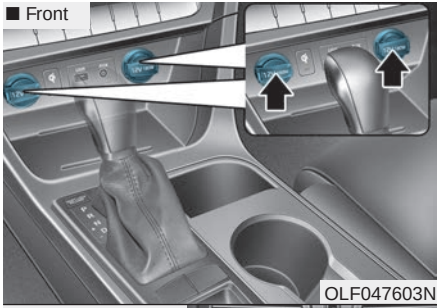
NOTICE

- **Do not put several tickets in the ticket holder at one time. This could cause damage to the ticket holder.**
- **Avoid putting a plastic card such as a credit card in the ticket holder located in the outside of the sunvisor. This could cause damage to the plastic card.**

DEP
DEALER ePROCESS

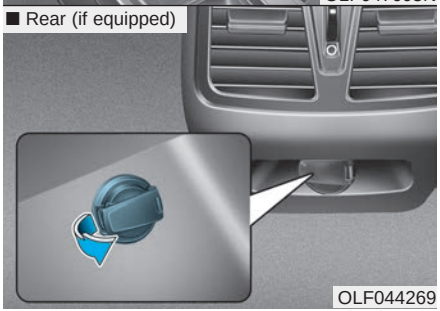
Power Outlet (if equipped)

■ Front



OLF047603N

■ Rear (if equipped)



OLF044269

The power outlet is designed to provide power for mobile telephones or other devices designed to operate with vehicle electrical systems. The devices should draw less than 180 W(Watt) with the engine running.

⚠ WARNING

Avoid electrical shocks. Do not place your fingers or foreign objects (pin, etc.) into a power outlet or touch the power outlet with a wet hand.

NOTICE

To prevent damage to the Power Outlets :

- **Use the power outlet only when the engine is running and remove the accessory plug after use. Using the accessory plug for prolonged periods of time with the engine off could cause the battery to discharge.**
- **Only use 12V electric accessories which are less than 180 W(Watt) in electric capacity.**
- **Adjust the air-conditioner or heater to the lowest operating level when using the power outlet.**
- **Close the cover when not in use.**
- **Some electronic devices can cause electronic interference when plugged into a vehicle's power outlet. These devices may cause excessive audio static and malfunctions in other electronic systems or devices used in your vehicle.**

(Continued)

DEP DEALER ePROCESS

(Continued)

- **Push the plug in as far as it will go. If good contact is not made, the plug may overheat and the fuse may open.**
- **Plug in battery equipped electrical/electronic devices with reverse current protection. The current from the battery may flow into the vehicle's electrical/electronic system and cause system malfunction.**

Clock

With AVN system (if equipped)



You can set the clock by using the Navigation system.

GPS Time check

The clock is automatically updated through the navigation system.

GPS Time non-check

The clock can be manually adjusted.

1. Select the "System Settings" on the "INFO/Setup" screen.
2. Select the "Date/Time".
3. Select the "Set time" by rotating the controller on the center console panel.
4. Select the "Time Format" to the 12 hour or 24 hour format.

For more information, please refer to the manual that was separately supplied with your vehicle.

⚠ WARNING

Do not adjust the clock while driving, you may lose your steering control and cause an accident that results in severe personal injury or death.

DEP
DEALER ePROCESS

Clothes Hanger (if equipped)

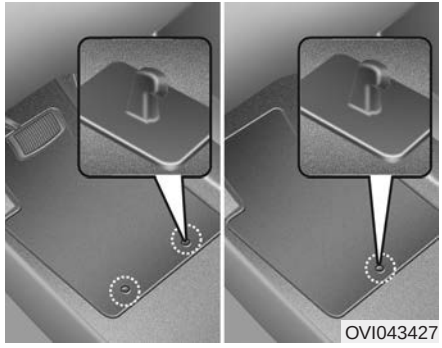

OLF047612

These hangers are not designed to hold large or heavy items.

⚠ WARNING

Do not hang other objects such as hangers or hard objects except clothes. Also, do not put heavy, sharp or breakable objects in the clothes pockets. In an accident or when the curtain air bag is inflated, it may cause vehicle damage or personal injury.

Floor Mat Anchor(s)


OVI043427

ALWAYS use the Floor Mat Anchors to attach the front floor mats to the vehicle. The anchors on the front floor carpet keep the floor mats from sliding forward.

DEP DEALER ePROCESS

⚠ WARNING

The following must be observed when installing ANY floor mat to the vehicle.

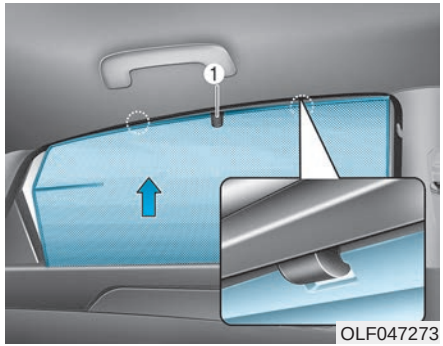
- **Ensure that the floor mats are securely attached to the vehicle's floor mat anchor(s) before driving the vehicle.**
- **Do not use ANY floor mat that cannot be firmly attached to the vehicle's floor mat anchors.**
- **Do not stack floor mats on top of one another (e.g. all-weather rubber mat on top of a carpeted floor mat). Only a single floor mat should be installed in each position.**

(Continued)

(Continued)

IMPORTANT - Your vehicle was manufactured with driver's side floor mat anchors that are designed to securely hold the floor mat in place. To avoid any interference with pedal operation, HYUNDAI recommends that the HYUNDAI floor mat designed for use in your vehicle be installed.

Side Curtain (if equipped)



To use the side curtain:

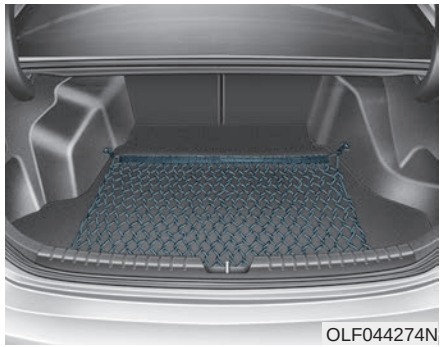
1. Pull up the curtain by the hook (1).
2. Hang the curtain on both sides of the hook.

NOTICE

- **Always hang both sides of the curtain on the hook. This could cause damage to the side curtain if only one side of the curtain is hooked.**
- **Do not let any foreign material get in between the vehicle and side curtain. The side curtain may not be lifted up.**

DEP
DEALER ePROCESS

Luggage Net Holder (if equipped)


OLF044274N

To keep items from shifting in the trunk, you can use the 4 holders located in the trunk to attach the luggage net.

Make sure the luggage net is securely attached to the holders in the trunk.

⚠ WARNING

Avoid eye injury. DO NOT overstretch the luggage net. ALWAYS keep your face and body out of the luggage net's recoil path. DO NOT use the luggage net when the strap has visible signs of wear or damage.

DEP DEALER ePROCESS

Multimedia System

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4

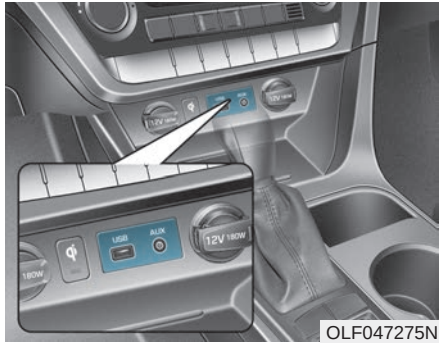
DEP DEALER ePROCESS

MULTIMEDIA SYSTEM

NOTICE

- **If you install an aftermarket HID head lamp, your vehicle's audio and electronic device may malfunction.**
- **Prevent chemicals such as perfume, cosmetic oil, sun cream, hand cleaner, and air freshener from contacting the interior parts because they may cause damage or discoloration.**

AUX, USB and iPod® Port



OLF047275N

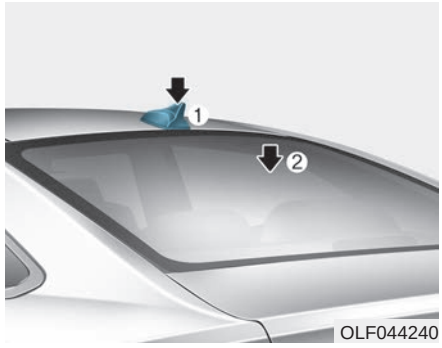
You can use an AUX port to connect audio devices and an USB port to plug in an USB and also in an iPod® port.

Information

When using a portable audio device connected to the power outlet, noise may occur during playback. If this happens, use the power source of the portable audio device.

❉ iPod® is a trademark of Apple Inc.

Antenna



OLF044240

Shark fin antenna (1)

The shark fin antenna will receive the transmit data.

Glass antenna (2)

Your vehicle uses a glass antenna to receive both AM and FM signals.

DEP DEALER ePROCESS

NOTICE

- **Do not clean the inside of the rear window glass with a cleaner or scraper to remove foreign deposits as this may cause damage to the antenna elements.**
- **Avoid adding metallic coatings such as Ni, Cd, and so on. These can degrade the receiving AM and FM broadcast signals.**

Steering Wheel Audio Control



OLF047617

NOTICE

Do not operate audio remote control buttons simultaneously.

VOLUME (VOL + / -) (1)

- Move the VOLUME lever up to increase volume.
- Move the VOLUME lever down to decrease volume.

SEEK/PRESET (∧ / ∨) (2)

If the SEEK/PRESET lever is moved up or down and held for 0.8 second or more, it will function in the following modes;

RADIO mode

It will function as the AUTO SEEK select button. It will SEEK until you release the button.

MEDIA mode

It will function as the FF/REW button.

If the SEEK/PRESET lever is moved up or down, it will function in the following modes;

RADIO mode

It will function as the PRESET STATION UP/DOWN button.

MEDIA mode

It will function as the TRACK UP/DOWN button.

DEP
DEALER ePROCESS

MODE (3)

Press the MODE button to select Radio, XM, Disc, or AUX.

Information

Detailed information for audio control buttons are described in the following pages in this chapter.

Audio (Display Audio) / Video / Navigation System (AVN)

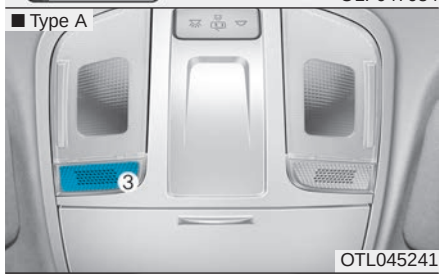
Detailed information for the AVN system is described in a separately supplied manual.

Bluetooth® Wireless Technology Hands-Free



OLF047684

■ Type A



OTL045241

■ Type B



OLFC044034CN

You can use the phone wirelessly by using the *Bluetooth*® Wireless Technology.

(1) Call / Answer button

(2) Call end button

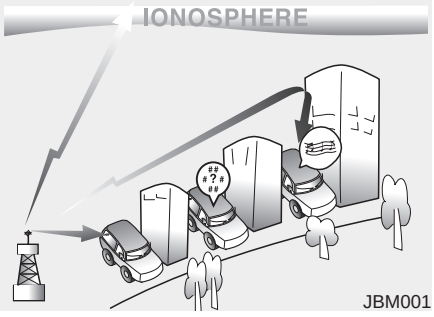
(3) Microphone

Detailed information for the *Bluetooth*® Wireless Technology hands-free is described in the following pages in this chapter or in the manual supplied separately.

DEP
DEALER ePROCESS

How vehicle audio works

FM reception

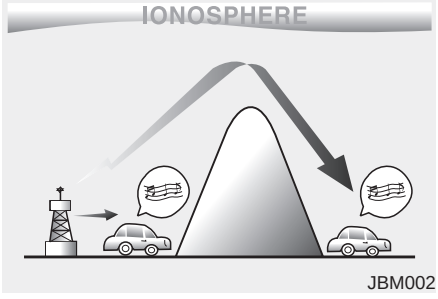


AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your vehicle. This signal is then processed by the radio and sent to your vehicle speakers.

When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear.

This can be due to factors, such as the distance from the radio station, closeness of other strong radio stations or the presence of buildings, bridges or other large obstructions in the area.

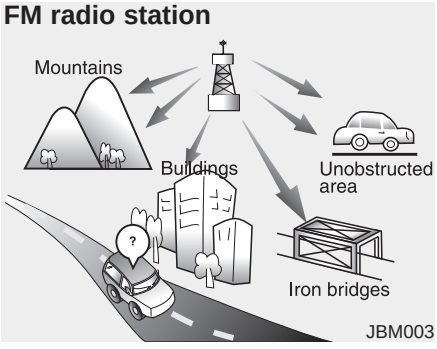
AM reception



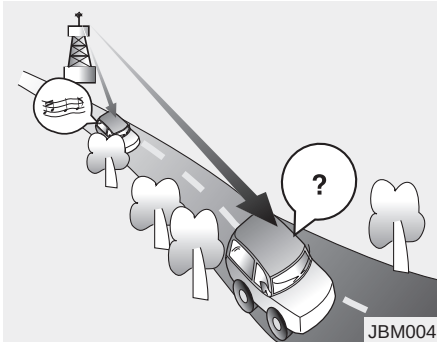
AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long distance, low frequency radio waves can follow the curvature of the earth rather than travelling straight. In addition, they curve around obstructions resulting in better signal coverage.

DEP
DEALER ePROCESS

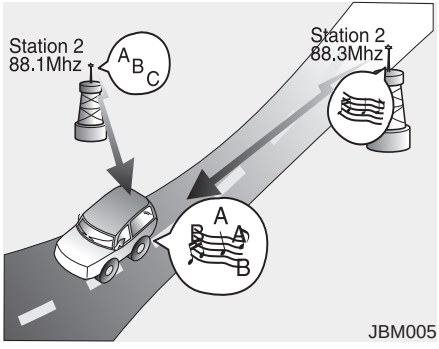
FM radio station



FM broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade within short distances from the station. Also, FM signals are easily affected by buildings, mountains, and obstructions. This can lead to undesirable or unpleasant listening conditions which might lead you to believe a problem exists with your radio. The following conditions are normal and do not indicate radio trouble:



- Fading - As your vehicle moves away from the radio station, the signal will weaken and sound will begin to fade. When this occurs, we suggest that you select another stronger station.
- Flutter/Static - Weak FM signals or large obstructions between the transmitter and your radio can disturb the signal causing static or fluttering noises to occur. Reducing the treble level may lessen this effect until the disturbance clears.



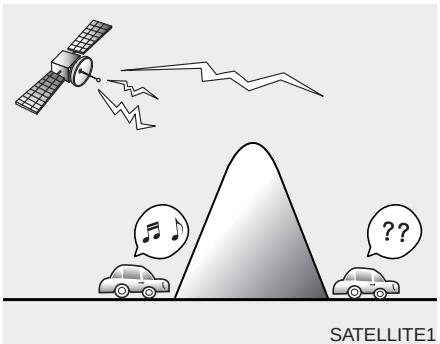
- Station Swapping - As an FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the clearest signal. If this occurs, select another station with a stronger signal.
- Multi-Path Cancellation - Radio signals being received from several directions can cause distortion or fluttering. This can be caused by a direct and reflected signal from the same station, or by signals from two stations with close frequencies. If this occurs, select another station until the condition has passed.

DEP
DEALER ePROCESS

Features of your vehicle

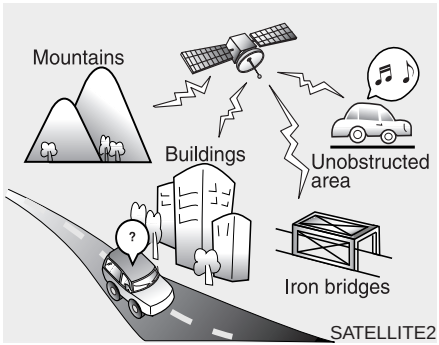
Satellite radio reception

You may experience difficulties in receiving XM™ satellite radio signals in the following situations.



SATELLITE1

- If you are driving in a tunnel or a covered parking area.
- If you are driving beneath the top level of a multi-level freeway.
- If you are driving under a bridge.
- If you are driving next to a tall vehicle (such as a truck or a bus) that blocks the signal.
- If you are driving in a valley where the surrounding hills or peaks block the signal from the satellite.
- If you are driving on a mountain road where is the signal blocked by mountains.
- If you are driving in an area with tall trees that block the signal (30 ft. /10m or more), for example on an road that goes through a dense forest.



SATELLITE2

- The signal can become weak in some areas that are not covered by the XM™ repeater network.

Information

There may also be additional unforeseen circumstances leading to reception problems with the XM™ satellite radio signal.

Advisory Messages, such as 'CH Unavailable' may occur when starting XM™ Radio.

DEP
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5

DEP
DEALER ePROCESS

⚠ WARNING

Carbon monoxide (CO) gas is toxic. Breathing CO can cause unconsciousness and death.

Engine exhaust contains carbon monoxide which cannot be seen or smelled.

Do not inhale engine exhaust.

If at any time you smell engine exhaust inside the vehicle, open the windows immediately. Exposure to CO can cause unconsciousness and death by asphyxiation.

Be sure the exhaust system does not leak.

The exhaust system should be checked whenever the vehicle is raised to change the oil or for any other purpose. If you hear a change in the sound of the exhaust or if you drive over something that strikes the underneath side of the vehicle, have the exhaust system checked as soon as possible by an authorized HYUNDAI dealer.

Do not run the engine in an enclosed area.

Letting the engine idle in your garage, even with the garage door open, is a hazardous practice. Run the engine only long enough to start the engine and to move the vehicle out of the garage.

Avoid idling the engine for prolonged periods with people inside the vehicle.

If it is necessary to idle the engine for a prolonged period with people inside the vehicle , be sure to do so only in an open area with the air intake set at "Fresh" and fan control set to high so fresh air is drawn into the interior.

Keep the air intakes clear.

To assure proper operation of the ventilation system, keep the ventilation air intakes located in front of the windshield clear of snow, ice, leaves, or other obstructions.

If you must drive with the trunk open:

Close all windows.

Open instrument panel air vents.

Set the air intake control at "Fresh", the air flow control at "Floor" or "Face", and the fan control set to high.

DEP
DEALER ePROCESS

⚠ WARNING

CALIFORNIA PROPOSITION 65 WARNING

Engine exhaust and a wide variety of automobile components including components found in the interior furnishings in a vehicle, contain or emit harmful chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

BEFORE DRIVING

Before Entering the Vehicle

- Be sure all windows, outside mirror(s), and outside lights are clean and unobstructed.
- Remove frost, snow, or ice.
- Visually check the tires for uneven wear and damage.
- Check under the vehicle for any sign of leaks.
- Be sure there are no obstacles behind you if you intend to back up.

Before Starting

- Make sure the hood, the trunk, and the doors are securely closed and locked.
- Adjust the position of the seat and steering wheel.
- Adjust the inside and outside rearview mirrors.
- Verify all the lights work.
- Fasten your seatbelt. Check that all passengers have fastened their seatbelts.
- Check the gauges and indicators in the instrument panel and the messages on the instrument display when the ignition switch is in the ON position.
- Check that any items you are carrying are stored properly or fastened down securely.

DEP DEALER ePROCESS

⚠ WARNING

To reduce the risk of SERIOUS INJURY or DEATH, take the following precautions:

- **ALWAYS wear your seat belt. All passengers must be properly belted whenever the vehicle is moving. For more information, refer to "Seat Belts" in chapter 2.**
- **Always drive defensively. Assume other drivers or pedestrians may be careless and make mistakes.**
- **Stay focused on the task of driving. Driver distraction can cause accidents.**
- **Leave plenty of space between you and the vehicle in front of you.**

⚠ WARNING

NEVER drink or take drugs and drive.

Drinking or taking drugs and driving is dangerous and may result in an accident and SERIOUS INJURY or DEATH.

Drunk driving is the number one contributor to the highway death toll each year. Even a small amount of alcohol will affect your reflexes, perceptions and judgment. Just one drink can reduce your ability to respond to changing conditions and emergencies and your reaction time gets worse with each additional drink.

Driving while under the influence of drugs is as dangerous or more dangerous than driving under the influence of alcohol.

(Continued)

(Continued)

You are much more likely to have a serious accident if you drink or take drugs and drive. If you are drinking or taking drugs, don't drive. Do not ride with a driver who has been drinking or taking drugs. Choose a designated driver or call a taxi.

DEP
DEALER ePROCESS

IGNITION SWITCH

⚠ WARNING

To reduce the risk of SERIOUS INJURY or DEATH, take the following precautions:

- **NEVER allow children or any person who is unfamiliar with the vehicle to touch the ignition switch or related parts. Unexpected and sudden vehicle movement can occur.**
- **NEVER reach through the steering wheel for the ignition switch, or any other control, while the vehicle is in motion. The presence of your hand or arm in this area may cause a loss of vehicle control resulting in an accident.**

Key Ignition Switch



OLF054001N

⚠ WARNING

NEVER turn the ignition switch to the LOCK or ACC position while the vehicle is in motion except in an emergency. This will result in the engine turning off and loss of power assist for the steering and brake systems. This may lead to loss of directional control and braking function, which could cause an accident.

(Continued)

(Continued)

Before leaving the driver's seat, always make sure the shift lever is in P (Park) position, apply the parking brake, and turn ignition switch to the LOCK position.

Unexpected vehicle movement may occur if these precautions are not followed.

DEP
DEALER ePROCESS

Key ignition switch positions

Switch Position	Action	Notice
LOCK	To turn the ignition switch to the LOCK position, turn the key towards the LOCK position. The ignition key can be removed in the LOCK position.	The steering wheel locks to protect the vehicle from theft. (if equipped)
ACC	Electrical accessories are usable.	The steering wheel unlocks. If difficulty is experienced turning the ignition switch to the ACC position, turn the key while turning the steering wheel right and left to release tension.
ON	This is the normal key position when the engine has started. All features and accessories are usable. The warning lights can be checked when you turn the ignition switch from ACC to ON.	Do not leave the ignition switch in the ON position when the engine is not running to prevent the battery from discharging.
START	To start the engine, turn the ignition switch to the START position. The switch returns to the ON position when you release of the key.	The engine will crank until you release the key.

DEP
DEALER ePROCESS

Starting the engine

⚠ WARNING

Always wear appropriate shoes when operating your vehicle.

Unsuitable shoes, such as high heels, ski boots, sandals, flip-flops, etc., may interfere with your ability to use the brake and accelerator pedals.

1. Make sure the parking brake is applied.
2. Make sure the shift lever is in P (Park).
3. Depress the brake pedal.
4. Turn the ignition switch to the START position. Hold the key (maximum of 10 seconds) until the engine starts and release it.

i Information

- **Do not wait for the engine to warm up while the vehicle remains stationary. Start driving at moderate engine speeds. (Steep accelerating and decelerating should be avoided.)**
- **Whether the engine is cold or warm, always start the vehicle with your foot on the brake pedal. Do not depress the accelerator while starting the vehicle. Do not race the engine while warming it up.**

NOTICE

To prevent damage to the vehicle:

- **Do not hold the ignition key in the START position for more than 10 seconds. Wait 5 to 10 seconds before trying again.**
- **If traffic and road conditions permit, you may put the shift lever in the N (Neutral) position while the vehicle is still moving and turn the ignition switch to the START position in an attempt to restart the engine.**
- **Do not push or tow your vehicle to start the engine.**

DEP DEALER ePROCESS

Engine Start/Stop Button



Whenever the front door is opened, the Engine Start/Stop button will illuminate and will go off 30 seconds after the door is closed.

⚠ WARNING

To reduce risk of serious injury or death, NEVER allow children or any person who is unfamiliar with the vehicle to touch the Engine Start/Stop button or related parts. Unexpected and sudden vehicle movement can occur.

⚠ WARNING

To turn the engine off in an emergency:

Press and hold the Engine Start/Stop button for more than two seconds OR Rapidly press and release the Engine Start/Stop button three times (within three seconds).

If the vehicle is still moving, you can restart the engine without depressing the brake pedal by pressing the Engine Start/Stop button with the shift lever in the N (Neutral) position.

⚠ WARNING

- **NEVER press the Engine Start/Stop button while the vehicle is in motion except in an emergency. This will result in the engine turning off and loss of power assist for the steering and brake systems.**

(Continued)

(Continued)

This may lead to loss of directional control and braking function, which could cause an accident.

- **Before leaving the driver's seat, always make sure the shift lever is in the P (Park) position, set the parking brake, press the Engine Start/Stop button to the OFF position, and take the Smart Key with you. Unexpected vehicle movement may occur if these precautions are not followed.**
- **NEVER reach through the steering wheel for the Engine Start/Stop button or any other control while the vehicle is in motion. The presence of your hand or arm in this area may cause a loss of vehicle control resulting in an accident.**

DEP
DEALER ePROCESS

Engine Stop/Start button positions

Button Position	Action	Notice
OFF 	To turn off the engine, press the Engine Start/Stop button with shift lever in P (Park). When you press the Engine Start/Stop button without the shift lever in P (Park), the Engine Start/Stop button does not turn to the OFF position, but turns to the ACC position.	
ACC 	Press the Engine Start/Stop button when the button is in the OFF position without depressing the brake pedal. Electrical accessories are usable.	If you leave the Engine Start/Stop button in the ACC position for more than one hour, the battery power will turn off automatically to prevent the battery from discharging.

DEP
DEALER ePROCESS

Button Position	Action	Notice
ON 	Press the Engine Start/Stop button while it is in the ACC position without depressing the brake pedal. The warning lights can be checked before the engine is started.	Do not leave the Engine Start/Stop button in the ON position when the engine is not running to prevent the battery from discharging.
START 	To start the engine, depress the brake pedal and press the Engine Start/Stop button with the shift lever in the P (Park) or in the N (Neutral) position. For your safety, start the engine with the shift lever in the P (Park) position.	If you press the Engine Start/Stop button without depressing the brake pedal, the engine does not start and the Engine Start/Stop button changes as follows: **OFF → ACC → ON → OFF** However, the engine may start if you depress the brake pedal within 0.5 second after pressing the Engine Start/Stop button when it is in the OFF position.

DEP
DEALER ePROCESS

Starting the engine

⚠ WARNING

- **Always wear appropriate shoes when operating your vehicle.**

 Unsuitable shoes, such as high heels, ski boots, sandals, flip-flops, etc., may interfere with your ability to use the brake and accelerator pedals.
- **Do not start the vehicle with the accelerator pedal depressed. The vehicle can move and lead to an accident.**
- **Wait until the engine rpm is normal. The vehicle may suddenly move if the brake pedal is released when the rpm is high.**

i Information

- **The engine will start by pressing the Engine Start/Stop button, only when the smart key is in the vehicle.**
- **Even if the smart key is in the vehicle, if it is far away from the driver, the engine may not start.**
- **When the Engine Start/Stop button is in the ACC or ON position, if any door is open, the system checks for the smart key. If the smart key is not in the vehicle, the warning, "Key not in vehicle" will come on and if all doors are closed, the chime will also sound for about 5 seconds. The indicator will turn off while the vehicle is moving. Keep the smart key in the vehicle when using the ACC position or if the vehicle engine is ON.**

1. Always carry the smart key with you.
2. Make sure the parking brake is applied.
3. Make sure the shift lever is in P (Park).
4. Depress the brake pedal.
5. Press the Engine Start/Stop button.

i Information

- **Do not wait for the engine to warm up while the vehicle remains stationary. Start driving at moderate engine speeds. (Steep accelerating and decelerating should be avoided.)**
- **Always start the vehicle with your foot on the brake pedal. Do not depress the accelerator while starting the vehicle. Do not race the engine while warming it up.**

DEP DEALER ePROCESS

NOTICE

To prevent damage to the vehicle:

- **If the engine stalls while you are in motion, do not attempt to move the shift lever to the P (Park) position.**

 If traffic and road conditions permit, you may put the shift lever in the N (Neutral) position while the vehicle is still moving and press the Engine Start/Stop button in an attempt to restart the engine.
- **Do not push or tow your vehicle to start the engine.**

NOTICE

To prevent damage to the vehicle:

When the stop lamp fuse is blown, you can't start the engine normally. Replace the fuse with a new one. If you are not able to replace the fuse, you can start the engine by pressing and holding the Engine Start/Stop button for 10 seconds with the Engine Start/Stop button in the ACC position.

Do not press the Engine Start/Stop button for more than 10 seconds except when the stop lamp fuse is blown.

For your safety always depress the brake pedal before starting the engine.



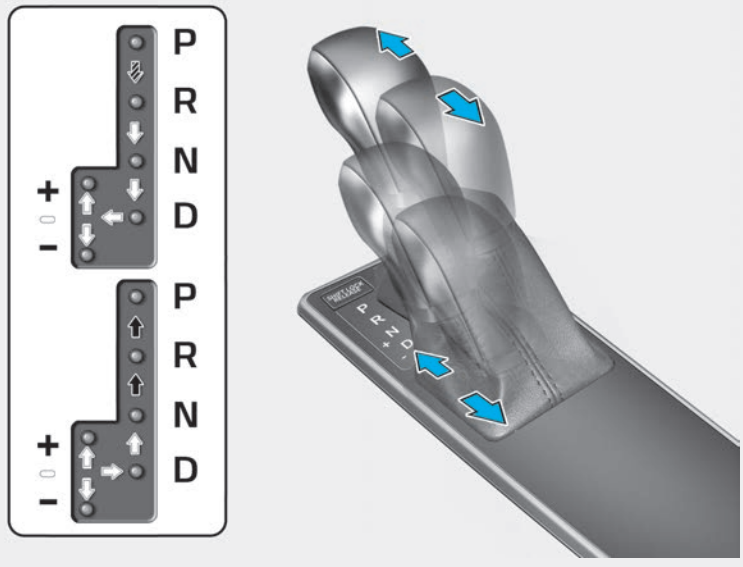
OLF057009

Information

If the smart key battery is weak or the smart key does not work correctly, you can start the engine by pressing the Engine Start/Stop button with the smart key in the direction of the picture above.

DEP
DEALER ePROCESS

TRANSMISSION



Press the shift button, then move shift lever.
Depress the brake pedal, press ths shift button, and then move shift lever.
Move shift lever.

OLF057012N

Automatic Transmission

Automatic transmission operation

The automatic transmission has 6 or 8 forward speeds and one reverse speed.

The individual speeds are selected automatically in the D (Drive) position.

DEP
DEALER ePROCESS

⚠ WARNING

To reduce the risk of serious injury or death:

- **ALWAYS check the surrounding areas near your vehicle for people, especially children, before shifting a vehicle into D (Drive) or R (Reverse).**
- **Before leaving the driver's seat, always make sure the shift lever is in the P (Park) position, then set the parking brake, and place the ignition switch in the LOCK/OFF position. Unexpected and sudden vehicle movement can occur if these precautions are not followed.**
- **When using Manual shift mode, do not use engine braking (shifting from a high gear to lower gear) rapidly on slippery roads. The vehicle may slip causing an accident.**

The indicator in the instrument cluster displays the shift lever position when the ignition switch is in the ON position.

P (Park)

Always come to a complete stop before shifting into P (Park).

To shift from P (Park), you must depress firmly on the brake pedal and make sure your foot is off the accelerator pedal.

If you have done all of the above and still cannot shift the lever out of P (Park), see "Shift-Lock Release" on page 5-25.

The shift lever must be in P (Park) before turning the engine off.

⚠ WARNING

- **Shifting into P (Park) while the vehicle is in motion may cause you to lose control of the vehicle.**
- **After the vehicle has stopped, always make sure the shift lever is in P (Park), apply the parking brake, and turn the engine off.**
- **Do not use the P (Park) position in place of the parking brake.**

DEP
DEALER ePROCESS

R (Reverse)

Use this position to drive the vehicle backward.

⚠ CAUTION

Always come to a complete stop before shifting into or out of R (Reverse); you may damage the transmission if you shift into R (Reverse) while the vehicle is in motion.

N (Neutral)

The wheels and transmission are not engaged.

Use N (Neutral) if you need to restart a stalled engine, or if it is necessary to stop with the engine ON. Shift into P (Park) if you need to leave your vehicle for any reason.

Always depress the brake pedal when you are shifting from N (Neutral) to another gear.

⚠ WARNING

Do not shift into gear unless your foot is firmly on the brake pedal. Shifting into gear when the engine is running at high speed can cause the vehicle to move very rapidly. You could lose control of the vehicle and hit people or objects.

D (Drive)

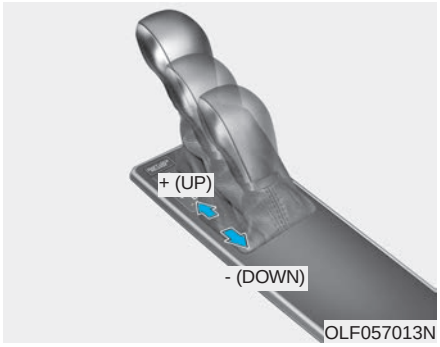
This is the normal driving position. The transmission will automatically shift through a 6 or 8-gear sequence, providing the best fuel economy and power.

For extra power when passing another vehicle or driving uphill depress the accelerator pedal further until you feel the transmission downshift to a lower gear.

The DRIVE MODE switch, located on the shift lever console, allows the driver to switch from NORMAL mode to SPORT or ECO mode.

For more information, refer to "Drive Mode Integrated Control System" later in this chapter.

DEP DEALER ePROCESS



Manual shift mode

Whether the vehicle is stationary or in motion, Manual shift mode is selected by pushing the shift lever from the D (Drive) position into the manual gate. To return to D (Drive) range operation, push the shift lever back into the main gate.

In Manual shift mode, moving the shift lever backwards and forwards will allow you to select the desired range of gears for the current driving conditions.

+ (Up) : Push the lever forward once to shift up one gear.

- (Down) : Pull the lever backwards once to shift down one gear.

Information

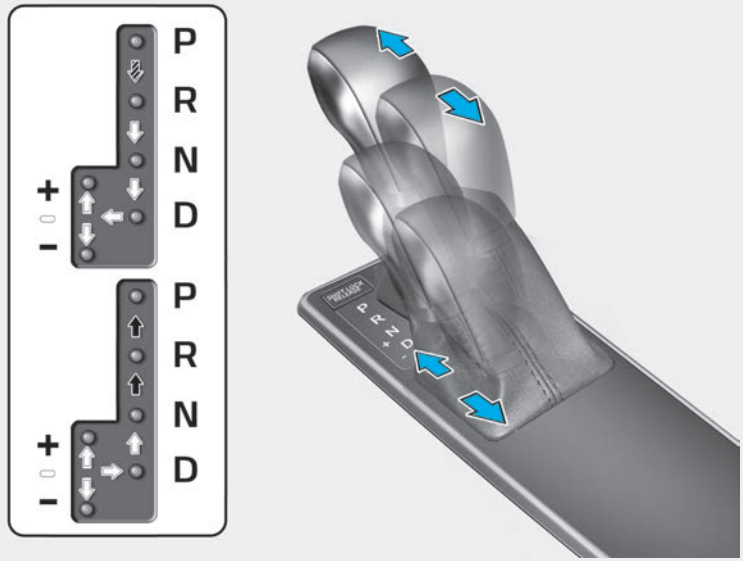
- **Only the 6 or 8 forward gears can be selected. To reverse or park the vehicle, move the shift lever to the R (Reverse) or P (Park) position as required.**
- **Downshifts are made automatically when the vehicle slows down. When the vehicle stops, 1st gear is automatically selected.**
- **When the engine rpm approaches the red zone the transmission will upshift automatically.**

(Continued)

(Continued)

- **If the driver presses the lever to + (Up) or - (Down) position, the transmission may not make the requested gear change if the next gear is outside of the allowable engine rpm range. The driver must execute upshifts in accordance with road conditions, taking care to keep the engine rpms below the red zone.**

DEP
DEALER ePROCESS



Press the shift button, then move shift lever.

Depress the brake pedal, press the shift button, while moving the shift lever.

The shift lever can freely operate.

❉ To move the shift lever from/to P (Parking) or between R (Reverse) and D (Drive), you must depress the brake pedal for the vehicle to stand still.

OLF057012N

Ecoshift dual clutch transmission

Ecoshift dual clutch transmission operation

The Ecoshift dual clutch transmission has seven forward speeds and one reverse speed.

The individual speeds are selected automatically in the D (Drive) position.

DEP DEALER ePROCESS

⚠ WARNING

To reduce the risk of serious injury or death:

- **ALWAYS check the surrounding areas near your vehicle for people, especially children, before shifting a vehicle into D (Drive) or R (Reverse).**
- **Before leaving the driver's seat, always make sure the shift lever is in the P (Park) position, then set the parking brake, and place the ignition switch in the LOCK/OFF position. Unexpected and sudden vehicle movement can occur if these precautions are not followed.**
- **Do not use engine braking (shifting from a high gear to lower gear) rapidly on slippery roads. The vehicle may slip causing an accident.**

⚠ CAUTION

- **To avoid damage to your transaxle, do not try to accelerate in R (Reverse) or any forward gear position with the brakes on.**
- **When stopped on slope, do not hold the vehicle with accelerator pedal. Use the service brake or the parking brake.**

- The Ecoshift dual clutch transmission gives the driving feel of a manual transmission, yet provides the ease of a fully automatic transmission. Unlike a traditional automatic transmission, the gear shifting can be felt (and heard) on the Ecoshift dual clutch transmission.
 - Think of it as an automatically shifting manual transmission.
 - Shift into Drive range and get fully automatic shifting, similar to a conventional automatic transmission.
- Ecoshift dual clutch transmission adopts dry-type dual clutch, which is different from torque converter of automatic transmission, and shows better acceleration performance during driving. But, initial launch might be little bit slower than Automatic Transmission.
- The dry-type clutch transfers torque and provides a direct drive feeling which may feel different from a conventional automatic transmission with a torque converter. This may be more noticeable when starting from a stop or low vehicle speed.
- When rapidly accelerating at lower vehicle speeds, the engine could rev up to higher engine RPM depending on the driving condition.
- For smooth uphill launches, press down the accelerator pedal smoothly depending on the current conditions.
- If you release your foot from the accelerator pedal at low vehicle speed, you may feel strong engine brake, which is similar to manual transmission.

DEP
DEALER ePROCESS

- When driving downhill, you may use Manual shift mode and press the paddle shifters (except 1.6 T-GDI engine) to downshift to a lower gear in order to control your speed without using the brake pedal excessively.
- When you turn the engine on and off, you may hear clicking sounds as the system goes through a self test. This is a normal sound for the Ecoshift dual clutch transmission.

⚠ WARNING

Due to transmission failure, you may not continue to drive and the position indicator (D,R) on the cluster will blink. Contact an authorized HYUNDAI dealer and have the system checked.

NOTICE



OLF057455N

- **To hold the vehicle on a hill use the foot brake or the parking brake. If the vehicle is held by applying the accelerator pedal on a hill the clutch and transmission will be overheated resulting in damage.**

 At this time, a warning message will appear on the LCD display and you may feel a vibration.

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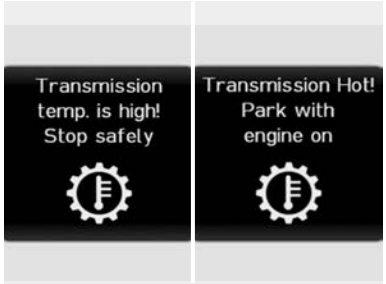
(Continued)

- **If the clutch becomes overheated by excessive use of the clutch to hold on a hill, you may notice a shudder feeling and a blinking display on the instrument cluster. When this occurs, the clutch is disabled until the clutch cools to normal temperatures. If this occurs, pull over to a safe location, shift into P (Park) and apply the foot brake for a few minutes.**
- **If the LCD warning is active, the foot brake must be applied.**
- **Ignoring the warnings can lead to damage to the transmission.**
- **If the display continues to blink, for your safety, contact an authorized HYUNDAI dealer and have the system checked.**

(Continued)

DEP
DEALER ePROCESS

(Continued)



OLF057456N/OLF057457N

- Under certain conditions such as repeated launch on steep grades, the clutch in the transmission could overheat. When the clutch is overheated, the safe protection mode engages. If the safe protection mode engages, the gear position indicator on the cluster blinks with a chime sound. At this time, a warning message will appear on the LCD display and driving may not be smooth.

(Continued)

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If you ignore this warning, the driving condition may become worse. To return the normal driving condition, stop the vehicle and apply the foot brake for a few minutes before driving off.

- Repetitive kick downs may lead to overheating of the transmission. This will lead to change in the vehicle speed shift pattern, and illuminate some warning message.

 To return the normal driving condition, refrain from kick down speed changes. When the warning message illuminates, park the vehicle at a safe location.
- If the ecoshift dual clutch transmission starts to become overheated, the gear shift characteristics may change. Gear shifts may become more abrupt. If continued operation includes frequent and continuous upshifts and downshifts, the overheat warning message on the cluster LCD display may illuminate.

(Continued)

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If this occurs, stop the vehicle, apply the brakes or shift the vehicle to P (Park), and allow the transmission to cool with engine on.

When possible, continue to drive the vehicle smoothly while trying to avoid frequent upshifting and downshifting.

- Gear shifts may be more noticeable than a conventional automatic transmission. This is a normal characteristic of this type of Ecoshift dual clutch transmission.
- During the first 1000 miles, you may feel that the vehicle may not be smooth when accelerating at low speed. During this break-in period, the shift quality and performance of your new vehicle is continuously optimized.
- Always come to a complete stop before shifting into D (Drive) or R (Reverse).
- Do not put the shift lever in N (Neutral) while driving.

DEP
DEALER ePROCESS

The indicator in the instrument cluster displays the shift lever position when the ignition switch is in the ON position.

P (Park)

Always come to a complete stop before shifting into P (Park).

To shift from P (Park), you must depress firmly on the brake pedal and make sure your foot is off the accelerator pedal.

If you have done all of the above and still cannot shift the lever out of P (Park), see "Shift-Lock Release" on page 5-25.

The shift lever must be in P (Park) before turning the engine off.

⚠ WARNING

- **Shifting into P (Park) while the vehicle is in motion may cause you to lose control of the vehicle.**
- **After the vehicle has stopped, always make sure the shift lever is in P (Park), apply the parking brake, and turn the engine off.**
- **Do not use the P (Park) position in place of the parking brake.**

R (Reverse)

Use this position to drive the vehicle backward.

⚠ CAUTION

Always come to a complete stop before shifting into or out of R (Reverse); you may damage the transmission if you shift into R (Reverse) while the vehicle is in motion.

N (Neutral)

The wheels and transmission are not engaged.

Use N (Neutral) if you need to restart a stalled engine, or if it is necessary to stop with the engine ON. Shift into P (Park) if you need to leave your vehicle for any reason.

Always depress the brake pedal when you are shifting from N (Neutral) to another gear.

⚠ WARNING

Do not shift into gear unless your foot is firmly on the brake pedal. Shifting into gear when the engine is running at high speed can cause the vehicle to move very rapidly. You could lose control of the vehicle and hit people or objects.

DEP DEALER ePROCESS

D (Drive)

This is the normal driving position. The transmission will automatically shift through a seven-gear sequence, providing the best fuel economy and power.

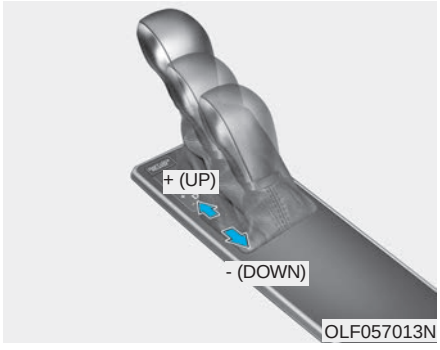
For extra power when passing another vehicle or driving uphill depress the accelerator pedal further until you feel the transmission downshift to a lower gear.

The DRIVE MODE switch, located on the shift lever console, allows the driver to switch from NORMAL mode to SPORT or ECO mode.

For more information, refer to "Drive Mode Integrated Control System" later in this chapter.

NOTICE

Always ensure vehicle is stationary, at a complete stop, before selecting D (Drive).



Manual shift mode

Whether the vehicle is stationary or in motion, Manual shift mode is selected by pushing the shift lever from the D (Drive) position into the manual gate. To return to D (Drive) range operation, push the shift lever back into the main gate.

In Manual shift mode, moving the shift lever backwards and forwards will allow you to select the desired range of gears for the current driving conditions.

+ (Up) : Push the lever forward once to shift up one gear.

- (Down) : Pull the lever backwards once to shift down one gear.

Information

- **Only the seven forward gears can be selected. To reverse or park the vehicle, move the shift lever to the R (Reverse) or P (Park) position as required.**
- **Downshifts are made automatically when the vehicle slows down. When the vehicle stops, 1st gear is automatically selected.**
- **When the engine rpm approaches the red zone the transmission will upshift automatically.**

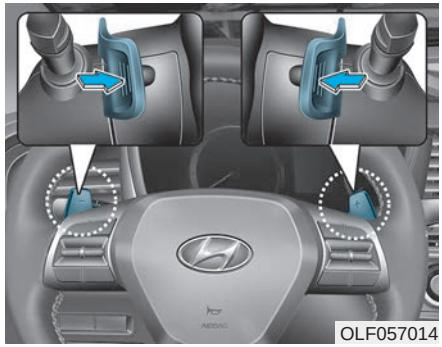
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DEP
DEALER ePROCESS

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- **If the driver presses the lever to + (Up) or - (Down) position, the transmission may not make the requested gear change if the next gear is outside of the allowable engine rpm range. The driver must execute upshifts in accordance with road conditions, taking care to keep the engine rpms below the red zone.**

Paddle Shifter (if equipped)


OLF057014

The paddle shifter is available when the shift lever is in the D (Drive) position or Manual shift mode.

With the shift lever in the D position

The paddle shifter will operate when the vehicle speed is more than 6 mph (10 km/h).

Pull the [+] or [-] paddle shifter once to shift up or down one gear and the system changes from automatic mode to manual mode.

The system changes from manual mode to automatic mode:

- When the vehicle speed is lower than 6 mph (10 km/h)
- If you depress the accelerator pedal for more than 5 seconds
- If you move the shift lever from Manual shift mode to D (Drive)

With the shift lever in the manual shift mode

Pull the [+] or [-] paddle shifter once to shift up or down one gear.

Information

If the [+] and [-] paddle shifters are pulled at the same time, gear change may not occur.

DEP DEALER ePROCESS

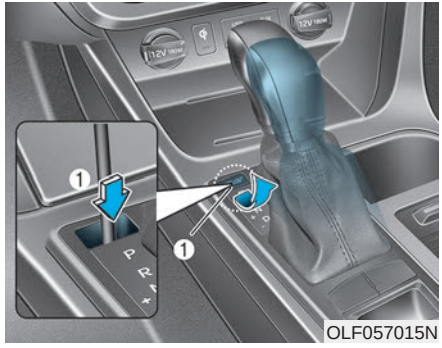
Shift-Lock System

For your safety, the automatic transmission has a shift-lock system which prevents shifting the transmission from P (Park) into R (Reverse) unless the brake pedal is depressed.

To shift the transmission from P (Park) into R (Reverse):

1. Depress and hold the brake pedal.
2. Start the engine or place the ignition switch in the ON position.
3. Move the shift lever.

Shift-Lock Release



If the shift lever cannot be moved from the P (Park) position into R (Reverse) position with the brake pedal depressed, continue depressing the brake, and then do the following:

1. Place the ignition switch in the LOCK/OFF position.
2. Apply the parking brake.
3. Carefully remove the cap (1) covering the shift-lock release access hole.
4. Insert a tool (e.g. flathead screwdriver) into the access hole and press down on the tool.
5. Move the shift lever.
6. Remove the tool from the shift-lock override access hole then install the cap.

If you need to use the shift-lock release, have your vehicle inspected by an authorized HYUNDAI dealer immediately.

DEP
DEALER ePROCESS

Parking

Always come to a complete stop and continue to depress the brake pedal. Move the shift lever into the P (Park) position, apply the parking brake, and place the ignition switch in the LOCK/OFF position. Take the Key with you when exiting the vehicle.

⚠ WARNING

When you stay in the vehicle with the engine running, be careful not to depress the accelerator pedal for a long period of time. The engine or exhaust system may overheat and start a fire.

The exhaust gas and the exhaust system are very hot. Keep away from the exhaust system components.

Do not stop or park over flammable materials, such as dry grass, paper or leaves. They may ignite and cause a fire.

Good Driving Practices

- Never move the shift lever from P (Park) or N (Neutral) to any other position with the accelerator pedal depressed.
- Never move the shift lever into P (Park) when the vehicle is in motion.
- Be sure the vehicle is completely stopped before you attempt to shift into R (Reverse) or D (Drive).
- Do not move the shift lever to N (Neutral) when driving. Doing so may result in an accident because of a loss of engine braking and the transmission could be damaged.
- Do not drive with your foot resting on the brake pedal. Even light, but consistent pedal pressure can result in the brakes overheating, brake wear and possibly even brake failure.
- Depressing both accelerator and brake pedals at the same time can trigger logic for engine power reduction to assure vehicle deceleration. Vehicle acceleration will resume after the brake pedal is released.
- When driving in Manual shift mode, slow down before shifting to a lower gear. Otherwise, the lower gear may not be engaged if the engine rpms are outside of the allowable range.
- Always apply the parking brake when leaving the vehicle. Do not depend on placing the transmission in P (Park) to keep the vehicle from moving.
- Exercise extreme caution when driving on a slippery surface. Be especially careful when braking, accelerating or shifting gears. On a slippery surface, an abrupt change in vehicle speed can cause the drive wheels to lose traction and may cause loss of vehicle control resulting in an accident.
- Optimum vehicle performance and economy is obtained by smoothly depressing and releasing the accelerator.

DEP DEALER ePROCESS

Information - Kickdown Mechanism

Use the kickdown mechanism for maximum acceleration. Depress the accelerator pedal beyond the pressure point. The automatic transmission will shift to a lower gear depending on the engine speed.

⚠ WARNING

If your vehicle becomes stuck in snow, mud, sand, etc., then you may attempt to rock the vehicle free by moving it forward and backward. Do not attempt this procedure if people or objects are anywhere near the vehicle. During the rocking operation the vehicle may suddenly move forward or backward as it becomes unstuck, causing injury or damage to nearby people or objects.

⚠ WARNING

To reduce the risk of SERIOUS INJURY or DEATH:

- ALWAYS wear your seatbelt. In a collision, an unbelted occupant is significantly more likely to be seriously injured or killed than a properly belted occupant.
- Avoid high speeds when cornering or turning.
- Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.
- The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds.
- Loss of control often occurs if two or more wheels drop off the roadway and the driver over steers to reenter the roadway.

(Continued)

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- In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes.
- HYUNDAI recommends you follow all posted speed limits.

Moving up a steep grade from a standing start

To move up a steep grade from a standing start, depress the brake pedal, shift the shift lever to D (Drive). Depress the accelerator gradually while releasing the service brakes.

DEP DEALER ePROCESS

BRAKING SYSTEM

Power Brakes

Your vehicle has power-assisted brakes that adjust automatically through normal usage.

If the engine is not running or is turned off while driving, the power assist for the brakes will not work. You can still stop your vehicle by applying greater force to the brake pedal than typical. The stopping distance, however, will be longer than with power brakes.

When the engine is not running, the reserve brake power is partially depleted each time the brake pedal is applied. Do not pump the brake pedal when the power assist has been interrupted.

Pump the brake pedal only when necessary to maintain steering control on slippery surfaces.

⚠ WARNING

Take the following precautions:

- **Do not drive with your foot resting on the brake pedal. This will create abnormal high brake temperatures, excessive brake lining and pad wear, and increased stopping distances.**
- **When descending a long or steep hill, shift to a lower gear and avoid continuous application of the brakes. Applying the brakes continuously can cause the brakes to overheat and could result in a temporary loss of braking performance.**

(Continued)

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- **Wet brakes may impair the vehicle's ability to safely slow down; the vehicle may also pull to one side when the brakes are applied. Applying the brakes lightly will indicate whether they have been affected in this way. Always test your brakes in this fashion after driving through deep water. To dry the brakes, lightly tap the brake pedal to heat up the brakes while maintaining a safe forward speed until brake performance returns to normal. Avoid driving at high speeds until the brakes function correctly.**

DEP DEALER ePROCESS

Disc Brakes Wear Indicator

When your brake pads are worn and new pads are required, you will hear a high pitched warning sound from your front or rear brakes. You may hear this sound come and go or it may occur whenever you depress the brake pedal.

Please remember some driving conditions or climates may cause a brake squeal when you first apply (or lightly apply) the brakes. This is normal and does not indicate a problem with your brakes.

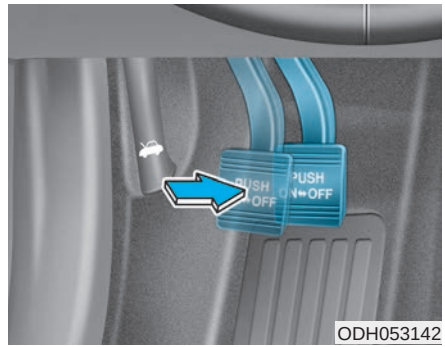
NOTICE

To avoid costly brake repairs, do not continue to drive with worn brake pads.

Information

Always replace brake pads as complete front or rear axle sets.

Foot Parking Brake (if equipped)



ODH053142

Always set the parking brake before leaving the vehicle, to apply:

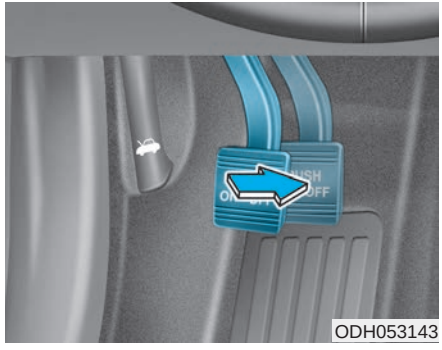
Firmly depress the brake pedal.

Depress the parking brake pedal down as far as possible.

WARNING

To reduce the risk of SERIOUS INJURY or DEATH, do not operate the parking brake while the vehicle is moving except in an emergency situation. It could damage the brake system and lead to an accident.

DEP
DEALER ePROCESS



To release:

Firmly depress the brake pedal.

Depress the parking brake pedal down and it will release automatically.

If the parking brake does not release or does not release all the way, have your vehicle checked by an authorized HYUNDAI dealer.

⚠ WARNING

- **Whenever leaving the vehicle or parking, always come to a complete stop and continue to depress the brake pedal. Move the shift lever into P (Park) position, then apply the parking brake, and place the ignition switch in the LOCK/OFF position.**

 Vehicles with the parking brake not fully engaged are at risk for moving inadvertently and causing injury to yourself or others.
- **NEVER allow anyone who is unfamiliar with the vehicle to touch the parking brake. If the parking brake is released unintentionally, serious injury may occur.**
- **Only release the parking brake when you are seated inside the vehicle with your foot firmly on the brake pedal.**

NOTICE

- **Do not apply the accelerator pedal while the parking brake is engaged. If you depress the accelerator pedal with the parking brake engaged, warning will sound. Damage to the parking brake may occur.**
- **Driving with the parking brake on can overheat the braking system and cause premature wear or damage to brake parts. Make sure the parking brake is released and the Brake Warning Light is off before driving.**

DEP DEALER ePROCESS



Check the Parking Brake Warning Light by placing the ignition switch to the ON position (do not start the engine).

This light will be illuminated when the parking brake is applied with the ignition switch in the START or ON position.

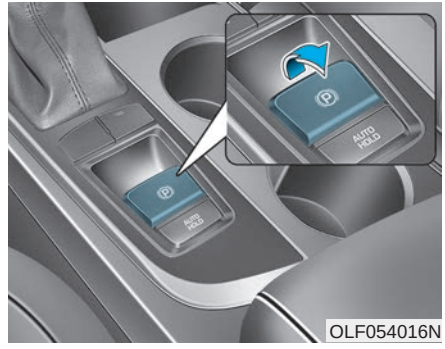
Before driving, be sure the parking brake is released and the Brake Warning Light is OFF.

If the Parking Brake Warning Light remains on after the parking brake is released while engine is running, there may be a malfunction in the brake system. Immediate attention is necessary.

If at all possible, cease driving the vehicle immediately. If that is not possible, use extreme caution while operating the vehicle and only continue to drive the vehicle until you can reach a safe location.

Electronic Parking Brake (EPB) (if equipped)

Applying the parking brake



To apply the EPB (Electronic Parking Brake):

1. Depress the brake pedal.
2. Pull the EPB switch upwards.

Make sure the Parking Brake Warning Light comes on.

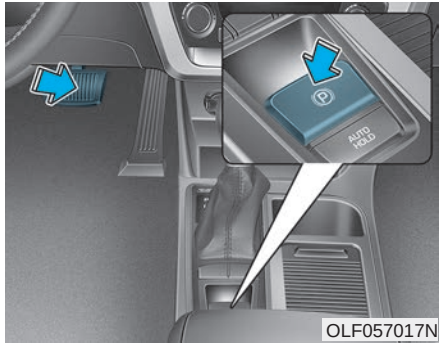
The EPB is applied automatically if the [AUTO HOLD] switch is on when the engine is turned off. However, if you press the EPB switch within one second after the engine is turned off, the EPB will not be applied.

⚠ WARNING

To reduce the risk of SERIOUS INJURY or DEATH, do not operate the EPB while the vehicle is moving except in an emergency situation. It could damage the brake system and lead to an accident.

DEP
DEALER ePROCESS

Releasing the parking brake



To release the EPB (Electronic Parking Brake), press the EPB switch in the following condition:

- Place the Engine Start/Stop button in the ON position.
- Depress the brake pedal.

Make sure the Parking Brake Warning Light goes off.

To release EPB (Electronic Parking Brake) automatically:

- Shift lever in P (Park)

 With the engine running depress the brake pedal and shift out of P (Park) to R (Reverse) or D (Drive).
- Shift lever in N (Neutral)

 With the engine running depress the brake pedal and shift out of N (Neutral) to R (Reverse) or D (Drive).
- Satisfy the following conditions

 1. Start the engine.
 2. Fasten the driver's seat belt.
 3. Close the driver's door, engine hood and trunk.
 4. Depress the accelerator pedal while the shift lever is in D (Drive) or Manual shift mode.

The Parking Brake Warning Light should be turned off when the EPB is released.

If the Parking Brake Warning Light is still on even though the EPB has been released, have your vehicle checked by an authorized HYUNDAI dealer.

Information

- **For your safety, you can engage the EPB even though the Engine Stop/Start button is in the OFF position, but you cannot release it.**
- **For your safety, depress the brake pedal and release the parking brake manually with the EPB switch when you drive downhill or when backing up the vehicle.**

DEP DEALER ePROCESS

NOTICE

- **If the Parking Brake Warning Light is still on even though the EPB has been released, have your vehicle checked by an authorized HYUNDAI dealer.**
- **Do not drive your vehicle with the EPB applied. It may cause excessive brake pad and brake rotor wear.**

When the EPB (Electronic Parking Brake) does not release:

Contact an authorized HYUNDAI dealer by loading the vehicle on a flatbed tow truck and have the system checked.

EPB (Electronic Parking Brake) may be automatically applied when:

- The EPB is overheated
- Requested by other systems
- The engine is turned off with the EPB applied

Information



OLF057587L

If the driver turns the engine off while Auto Hold is operating, EPB will be automatically applied. However, if you press the EPB switch within one second after the engine is turned off, the EPB will not be applied.

DEP
DEALER ePROCESS

Warning messages



OAEE056115L

To release EPB, fasten seatbelt, close door, hood and trunk

- If you try to drive with the EPB applied, a warning will sound and a message will appear.
- If the driver's seat belt is unfastened and the engine hood or trunk is opened, a warning will sound and a message will appear.
- If there is a problem with the vehicle, a warning may sound and a message may appear.

If the situation occurs, depress the brake pedal and release EPB by pressing the EPB switch.

⚠ WARNING

- **Whenever leaving the vehicle or parking, always come to a complete stop and continue to depress the brake pedal. Move the shift lever into the P (Park) position, press the EPB switch, and press the Engine Start/Stop button to the OFF position. Take the Smart Key with you when exiting the vehicle.**

 Vehicles not fully engaged in P (Park) with the parking brake set are at risk for moving inadvertently and causing injury to yourself or others.
- **NEVER allow anyone who is unfamiliar with the vehicle to touch the EPB switch. If the EPB is released unintentionally, serious injury may occur.**
- **Only release the EPB when you are seated inside the vehicle with your foot firmly on the brake pedal.**

NOTICE

- **Do not apply the accelerator pedal while the parking brake is engaged. If you depress the accelerator pedal with the EPB engaged, a warning will sound and a message will appear.**

 Damage to the parking brake may occur.
- **Driving with the parking brake on can overheat the braking system and cause premature wear or damage to brake parts. Make sure the EPB is released and the Parking Brake Warning Light is off before driving.**

i Information

- **A clicking/whine sound may be heard while operating or releasing the EPB. These conditions are normal and indicate that the EPB is functioning properly.**
- **When leaving your keys with a parking lot attendant or valet, make sure to inform him/her how to operate the EPB.**

DEP
DEALER ePROCESS



OLF057128L

AUTO HOLD turning off! Press brake pedal

When the conversion from Auto Hold to EPB is not working properly a warning will sound and a message will appear.



OLF057587L

Parking brake automatically engaged

If the EPB is applied while Auto Hold is activated, a warning will sound and a message will appear.

EPB malfunction indicator (if equipped)



OLF057022

If the EPB Malfunction Indicator remains on, comes on while driving, or does not come on when the Engine Start/Stop button is in the ON position, this indicates the EPB may have malfunctioned. Have your vehicle checked by an authorized HYUNDAI dealer as soon as possible.

The EPB Malfunction Indicator may illuminate when the ESC indicator comes on to indicate that the ESC is not working properly, but it does not indicate a malfunction of the EPB.

DEP
DEALER ePROCESS

NOTICE

- **If the EPB Malfunction Indicator is still on, have the system checked by an authorized HYUNDAI dealer.**
- **If the Parking Brake Warning Light does not illuminate or blinks even though the EPB switch was pulled up, the EPB may not be applied.**
- **If the Parking Brake Warning Light blinks when the EPB Malfunction Indicator is on, press the EPB switch, then pull it up. Once more, press the switch back to its original position and pull it back up. If the EPB Malfunction Indicator does not go off, have your vehicle checked by an authorized HYUNDAI dealer.**

Emergency braking

If there is a problem with the brake pedal while driving, emergency braking is possible by pulling up and holding the EPB switch. Braking is possible only while you are holding the EPB switch. However, braking distance will be longer than normal.

⚠ WARNING

Do not operate the parking brake while the vehicle is moving except in an emergency situation. It could damage the brake system and lead to a severe accident.

NOTICE

During emergency braking the Parking Brake Warning Light will illuminate to indicate that the system is operating.

NOTICE

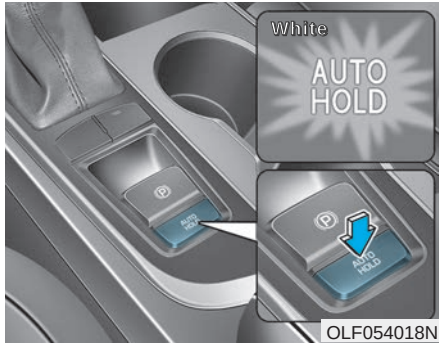
If there is a noise or burning smell after using the emergency brake, have your vehicle checked by an authorized HYUNDAI dealer as soon as possible.

DEP DEALER ePROCESS

AUTO HOLD (if equipped)

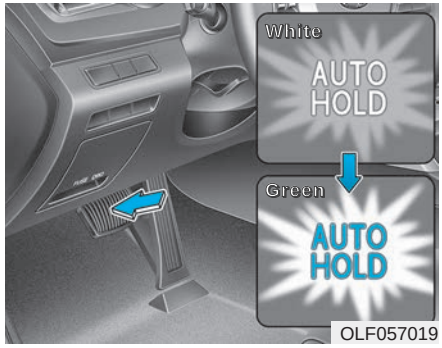
This feature keeps the brake applied when the shift lever is in D (Drive), N (Neutral) or Manual shift mode with the feature enabled and when the brake pedal has been depressed to stop the vehicle.

To apply:



OLF054018N

1. Press the [AUTO HOLD] switch. The AUTO HOLD indicator will illuminate white and the system will be in the standby position.



OLF057019

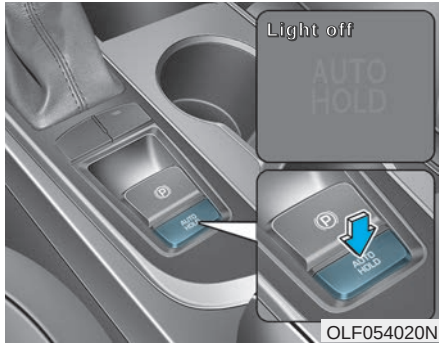
2. When you stop the vehicle completely by depressing the brake pedal, the Auto Hold maintains the brake pressure to hold the vehicle stationary. The indicator changes from white to green.
3. The vehicle will remain stationary even if you release the brake pedal.
4. If EPB is applied, Auto Hold will be released.

DEP
DEALER ePROCESS

To release:

Press the accelerator pedal with the shift lever in D (Drive) or Manual shift mode, the Auto Hold will be released automatically and the vehicle will start to move. The indicator changes from green to white.

To cancel:



1. Depress the brake pedal.
2. Press the [AUTO HOLD] switch. The AUTO HOLD indicator will turn off.

⚠ WARNING

To prevent, unexpected and sudden vehicle movement, ALWAYS press your foot on the brake pedal to cancel the Auto Hold before you:

- Drive downhill.

- Park the vehicle.

i Information

- **The Auto Hold does not operate when:**
 - **The driver's seat belt is unbuckled and the driver's door is opened**
 - **The engine hood is opened**
 - **The shift lever is in P (Park)**
 - **The EPB is applied**
- **For your safety, the Auto Hold automatically switches to EPB when:**
 - **The driver's seat belt is unbuckled and the driver's door is opened**
 - **The engine hood is opened with the shift lever in D (Drive), N (Neutral)**
 - **The vehicle is in a standstill for more than 10 minutes**
 - **The vehicle is standing on a steep slope**
 - **The vehicle moved several times**

(Continued)

DEP DEALER ePROCESS

(Continued)

In these cases, the Parking Brake Warning Light comes on, the AUTO HOLD indicator changes from green to white, and warning sounds and a message will appear to inform you that EPB has been automatically engaged. Before driving again, depress the brake pedal, check the surrounding area near your vehicle and release the parking brake manually with the EPB switch.

- **If AUTO HOLD indicator changes to yellow, the Auto Hold is not working properly. Take your vehicle to an authorized HYUNDAI dealer and have the system checked.**
- **If there is a malfunction with the driver's door or hood detection system, the Auto Hold may not work properly. Take your vehicle to an authorized HYUNDAI dealer and have the system checked.**

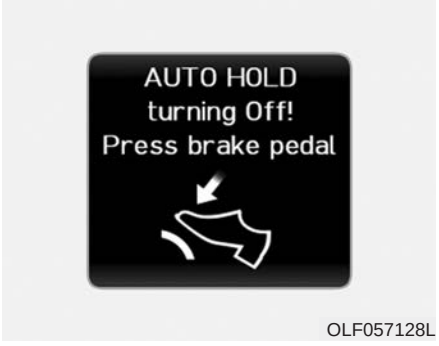
Warning messages



OLF057587L

Parking brake automatically engaged

When the EPB is applied from Auto Hold, a warning will sound and a message will appear.



OLF057128L

**AUTO HOLD turning off!
Press brake pedal**

When the conversion from Auto Hold to EPB is not working properly a warning will sound and a message will appear.

Information

Depress the brake pedal when the above message appears for the Auto Hold and EPB may not activate.

DEP
DEALER ePROCESS



OLF047702N

Press brake pedal to deactivate AUTO HOLD

If you did not apply the brake pedal when you release the Auto Hold by pressing the [AUTO HOLD] switch, a warning will sound and a message will appear.



OLF047703L

AUTO HOLD conditions not met. Close door and hood, then fasten seatbelt

When you press the [AUTO HOLD] switch, if the driver's door and the engine hood are not closed or the driver's seat belt is not fastened, a warning will sound and a message will appear on the LCD display. In that time, press the [AUTO HOLD] button after closing the driver's door, engine hood and fastening the seat belt.

Anti-lock Brake System (ABS)

⚠ WARNING

An Anti-Lock Braking System (ABS) or an Electronic Stability Control (ESC) system will not prevent accidents due to improper or dangerous driving maneuvers. Even though vehicle control is improved during emergency braking, always maintain a safe distance between you and objects ahead of you. Vehicle speeds should always be reduced during extreme road conditions. The braking distance for cars equipped with ABS or ESC may be longer than for those without these systems in the following road conditions.

(Continued)

DEP DEALER ePROCESS

(Continued)

- **Drive your vehicle at reduced speeds during the following conditions:**
- **Rough, gravel or snow-covered roads.**
- **On roads where the road surface is pitted or has different surface height.**
- **Tire chains are installed on your vehicle.**

The safety features of an ABS or ESC equipped vehicle should not be tested by high speed driving or cornering. This could endanger the safety of yourself or others.

ABS is an electronic braking system that helps prevent a braking skid. ABS allows the driver to steer and brake at the same time.

Using ABS

To obtain the maximum benefit from your ABS in an emergency situation, do not attempt to modulate your brake pressure and do not try to pump your brakes. Depress your brake pedal as hard as possible.

When you apply your brakes under conditions which may lock the wheels, you may hear sounds from the brakes, or feel a corresponding sensation in the brake pedal. This is normal and it means your ABS is active.

ABS does not reduce the time or distance it takes to stop the vehicle.

Always maintain a safe distance from the vehicle in front of you.

ABS will not prevent a skid that results from sudden changes in direction, such as trying to take a corner too fast or making a sudden lane change. Always drive at a safe speed for the road and weather conditions.

ABS cannot prevent a loss of stability. Always steer moderately when braking hard. Severe or sharp steering wheel movement can still cause your vehicle to veer into oncoming traffic or off the road.

On loose or uneven road surfaces, operation of the anti-lock brake system may result in a longer stopping distance than for vehicles equipped with a conventional brake system.

The ABS warning light (ABS) will stay on for several seconds after the ignition switch is in the ON position. During that time, the ABS will go through self-diagnosis and the light will go off if everything is normal. If the light stays on, you may have a problem with your ABS. Contact an authorized HYUNDAI dealer as soon as possible

DEP
DEALER ePROCESS

⚠ WARNING

If the ABS warning light (ABS) is on and stays on, you may have a problem with the ABS. Your power brakes will work normally. To reduce the risk of serious injury or death, contact your HYUNDAI dealer as soon as possible.

⚠ CAUTION

When you drive on a road having poor traction, such as an icy road, and apply your brakes continuously, the ABS will be active continuously and the ABS warning light (ABS) may illuminate. Pull your car over to a safe place and turn the engine off.

Restart the engine. If the ABS warning light is off, then your ABS system is normal.

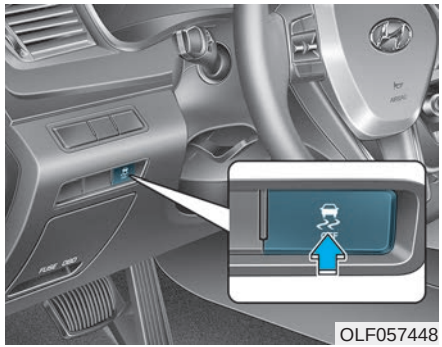
Otherwise, you may have a problem with your ABS system. Contact an authorized HYUNDAI dealer as soon as possible.

i Information

When you jump start your vehicle because of a drained battery, the ABS warning light (ABS) may turn on at the same time. This happens because of the low battery voltage. It does not mean your ABS is malfunctioning. Have the battery recharged before driving the vehicle.

DEP DEALER ePROCESS

Electronic Stability Control (ESC)


OLF057448

The Electronic Stability Control (ESC) system helps to stabilize the vehicle during cornering maneuvers. ESC checks where you are steering and where the vehicle is actually going. ESC applies braking pressure to any one of the vehicle's brakes and intervenes in the engine management system to assist the driver with keeping the vehicle on the intended path. It is not a substitute for safe driving practices. Always adjust your speed and driving to the road conditions.

⚠ WARNING

Never drive too fast for the road conditions or too quickly when cornering. The ESC system will not prevent accidents.

Excessive speed in turns, abrupt maneuvers, and hydroplaning on wet surfaces can result in severe accidents.

ESC operation

ESC ON condition

When the ignition switch is in the ON position, the ESC and the ESC OFF indicator lights illuminate for approximately three seconds and goes off, then the ESC is turned on.

When operating

When the ESC is in operation, the ESC indicator light blinks:

- When you apply your brakes under conditions which may lock the wheels, you may hear sounds from the brakes, or feel a corresponding sensation in the brake pedal. This is normal and it means your ESC is active.
- When the ESC activates, the engine may not respond to the accelerator as it does under routine conditions.

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- If the Cruise Control was in use when the ESC activates, the Cruise Control automatically disengages. The Cruise Control can be reengaged when the road conditions allow. See "Cruise Control System" later in this chapter. (if equipped)
- When moving out of the mud or driving on a slippery road, the engine rpm (revolutions per minute) may not increase even if you press the accelerator pedal deeply. This is to maintain the stability and traction of the vehicle and does not indicate a problem.



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OLF057100N

ESC OFF condition

To cancel ESC operation :

• State 1

Press the ESC OFF button shortly (ESC OFF indicator light and message illuminates). At this state, the engine control function does not operate. In other words, the traction control function does not operate but only the brake control function operates.

• State 2

Press the ESC OFF button for more than 3 seconds. ESC OFF indicator light and message illuminates with an ESC OFF warning chime. At this state, the engine control function and brake control function does not operate. In other words, the vehicle stability control function does not operate any more.

If the ignition switch is placed to the LOCK/OFF position when ESC is off, ESC remains off. Upon restarting the engine, the ESC will automatically turn on again.

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Indicator lights

■ ESC indicator light (blinks)



■ ESC OFF indicator light (comes on)



When the ignition switch is placed to the ON position, the ESC indicator light illuminates, then goes off if the ESC system is operating normally.

The ESC indicator light blinks whenever the ESC is operating.

If ESC indicator light stays on, your vehicle may have a malfunction with the ESC system. When this warning light illuminates have your vehicle checked by an authorized HYUNDAI dealer as soon as possible.

The ESC OFF indicator light comes on when the ESC is turned off.

⚠ WARNING

When the ESC is blinking, this indicates the ESC is active:

Drive slowly and NEVER attempt to accelerate. NEVER turn the ESC off while the ESC indicator light is blinking or you may lose control of the vehicle resulting in an accident.

NOTICE

Driving with varying tire or wheel sizes may cause the ESC system to malfunction. When replacing tires, make sure they are the same size as your original tires for this vehicle.

ESC OFF usage

When Driving

The ESC OFF mode should only be used briefly to help free the vehicle if stuck in snow or mud by temporarily stopping operation of the ESC to maintain wheel torque.

To turn ESC off while driving, press the ESC OFF button while driving on a flat road surface.

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DEALER ePROCESS

NOTICE

To prevent damage to the transmission:

- **Do not allow wheel(s) of one axle to spin excessively while the ESC, ABS, and brake warning lights are displayed. The repairs would not be covered by the vehicle warranty. Reduce engine power and do not spin the wheel(s) excessively while these lights are displayed.**
- **When operating the vehicle on a dynamometer, ensure the ESC is turned off (ESC OFF light illuminated).**

Information

Turning the ESC off does not affect ABS or standard brake system operation.

Hill-Start Assist Control (HAC)

The Hill-Start Assist Control (HAC) helps prevent the vehicle from rolling backwards when starting a vehicle from a stop on a hill. The system operates the brakes automatically for approximately 2 seconds and releases the brake when the accelerator pedal is depressed or after 2 seconds.

⚠ WARNING

Always be ready to depress the accelerator pedal when starting off on a incline. The HAC activates only for approximately 2 seconds.

NOTICE

- **The HAC does not operate when the shift lever is in P (Park) or N (Neutral)**
- **The HAC activates even though the ESC (Electronic Stability Control) is off but does not activate when the ESC has malfunctioned.**

DEP DEALER ePROCESS

Good Braking Practices

⚠ WARNING

Whenever leaving the vehicle or parking, always come to a complete stop and continue to depress the brake pedal. Move the shift lever into the P (Park) position, then apply the parking brake, and place the ignition switch in the OFF position.

Vehicles with the parking brake not fully engaged are at risk for moving inadvertently and causing injury to yourself or others.

Wet brakes can be dangerous! The brakes may get wet if the vehicle is driven through standing water or if it is washed. Your vehicle will not stop as quickly if the brakes are wet. Wet brakes may cause the vehicle to pull to one side.

To dry the brakes, apply the brakes lightly until the braking action returns to normal, taking care to keep the vehicle under control at all times. If the braking action does not return to normal, stop as soon as it is safe to do so and call an authorized HYUNDAI dealer for assistance.

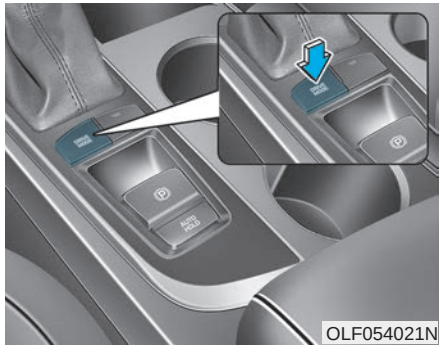
DO NOT drive with your foot resting on the brake pedal. Even light, but constant pedal pressure can result in the brakes overheating, brake wear, and possibly even brake failure.

If a tire goes flat while you are driving, apply the brakes gently and keep the vehicle pointed straight ahead while you slow down. When you are moving slowly enough for it to be safe to do so, pull off the road and stop in a safe location.

Keep your foot firmly on the brake pedal when the vehicle is stopped to prevent the vehicle from rolling forward.

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DEALER ePROCESS

DRIVE MODE INTEGRATED CONTROL SYSTEM (IF EQUIPPED)


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The drive mode may be selected according to the driver's preference or road condition.

The mode changes whenever the DRIVE MODE button is pressed.



OLF057592N

- COMFORT mode :

 COMFORT mode provides smooth and comfortable driving.
- SPORT mode :

 SPORT mode provides sporty driving.
- ECO mode :

 ECO mode improves fuel efficiency for eco-friendly driving.
- SMART mode :

 SMART mode automatically adjusts the driving mode (ECO ↔ COMFORT ↔ SPORT) in accordance with the driver's driving habits.

The driving mode will be continuously maintained, as selected when the engine is restarted. However, except if it is in SPORT mode. SPORT mode will change to COMFORT mode, when the engine is restarted.

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DEALER ePROCESS

ECO mode



When the Drive Mode is set to ECO mode, the engine and transmission control logic are changed to maximize fuel efficiency.

- When the ECO mode is selected by pressing the DRIVE MODE button, the ECO indicator will illuminate.
- If the vehicle is set to ECO mode, when the engine is turned OFF and restarted the Drive Mode setting will remain in ECO mode.

Information

Fuel efficiency depends on the driver's driving habit and road condition.

When ECO mode is activated:

- The acceleration response may be slightly reduced as the accelerator pedal is depressed moderately.
- The air conditioner performance may be limited.
- The shift pattern of the automatic transmission may change.
- The engine noise may get louder.

The above situations are normal conditions when ECO mode is activated to improve fuel efficiency.

Limitation of ECO mode operation:

If the following conditions occur while ECO mode is operating, the system operation is limited even though there is no change in ECO indicator.

- When the coolant temperature is low:

 The system will be limited until engine performance becomes normal.
- When driving up a hill:

 The system will be limited to gain power when driving uphill because engine torque is restricted.
- When driving the vehicle with the automatic transmission gear shift lever in manual shift mode:

 The system will be limited according to the shift location.
- When the accelerator pedal is deeply depressed for a few seconds:

 The system will be limited, judging that the driver wants to speed up.

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DEALER ePROCESS

SPORT mode

SPORT mode manages the driving dynamics by automatically adjusting the steering effort, the engine and transmission control logic for enhanced driver performance.

- When SPORT mode is selected by pressing the DRIVE MODE button, the SPORT indicator will illuminate.
- Whenever the engine is restarted, the Drive Mode will revert back to COMFORT mode. If SPORT mode is desired, re-select SPORT mode from the DRIVE MODE button.
- When SPORT mode is activated:
 - The engine rpm will tend to remain raised over a certain length of time even after releasing the accelerator
 - Upshifts are delayed when accelerating

Information

In SPORT mode, the fuel efficiency may decrease.

SMART mode

SMART mode selects the proper driving mode among ECO, NORMAL, and SPORT by judging the driver's driving habits (i.e. mild or dynamic) from the brake pedal depression or the steering wheel operation.

- Press the DRIVE MODE button to activate SMART mode. When SMART mode is activated, the indicator illuminates on the instrument cluster.
- The indicator illuminates in green, when the driver's driving is categorized to be mild. It illuminates in white, when the driver's driving is categorized to be normal. It illuminates in yellow, when the driver's driving is categorized to be dynamic during abrupt braking or sharp curving.
- The vehicle starts in SMART mode again, when the engine was turned OFF in SMART mode.
- SMART mode automatically controls the vehicle driving, such as gear shifting patterns, engine torque, and riding quality in accordance with the driver's driving habits.

Information

- **When you mildly drive the vehicle in SMART mode, the driving mode changes to ECO mode to improve fuel efficiency. However, the actual fuel efficiency may differ in accordance with your driving situations (i.e. upward/downward slope, vehicle deceleration/acceleration).**
- **When you dynamically drive the vehicle in SMART mode by abruptly decelerating or sharply turning the driving mode changes to SPORT mode. However, it may adversely affect fuel economy.**

DEP DEALER ePROCESS

Drive mode indicator screen

The drive mode indicator screen can be displayed by using the trip computer button on the steering wheel. drive mode indicator screen displays the status of current drive mode.

- DRIVE MODE button is located on the lower part of the transmission lever for selecting drive mode. If drive mode is selected manually by the user, the drive mode indicator screen will show user-selected drive mode. (COMFORT, ECO, or SPORT)

 If SMART mode is selected by DRIVE MODE button, the drive mode indicator screen will show current drive mode automatically selected by SMART mode system. (SMART COMFORT, SMART ECO, or SMART SPORT)
- When the trip computer mode is selected to show drive mode and the SMART mode is in operation, an automatically selected driving mode SMART ECO, SMART COMFORT, or SMART SPORT will be selected on the LCD display.

 And right below is the horizontal driving style gauge which reflects the driving style in real time.
- If you drive carefully and slowly in SMART mode, the left side of the driving style gauge will illuminate, and automatically shift to the SMART ECO mode.

 When the driver accelerates more frequently, the right side of the driving style gauge will fill up, and shift to SMART COMFORT mode.

 In addition, if the rate of acceleration and speed is high, drive mode will change to SMART SPORT mode.
- If the auto cruise control function is operated or the transmission is shifted to manual shift mode while SMART mode is on, the SMART mode will stop temporarily, and the drive mode will be displayed as OFF. The driving style gauge light will be turned off accordingly.
- If the trip computer is not set to show drive mode indicator screen, and you want to know the on/off status of the SMART mode, simply check whether the letters 'SMART' is lighten up on the screen or not (green - ECO MODE, white - COMFORT MODE, red - SPORT MODE).

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DEALER ePROCESS



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Driving style gauge

Once the SMART mode is selected by pressing the DRIVE MODE button, and the drive mode indicator screen is selected by pressing the trip computer button on the steering wheel, the driving style gauge bar will show up at the bottom of screen and visualize current style of driving.

- Left side of the driving style gauge indicates degree of economic and gentle driving in green color. The more economic and gentle you drive, the left bar will light up in green.

 Likewise, the right side of the driving style gauge indicates degree of aggressive and sporty driving in red color. The faster and more aggressive you drive, the more far right the bar will light up in red.
- When driving style gauge fills up toward left side (or Economic side) and kept for certain time, then your vehicle will be automatically switch to SMART ECO mode. Likewise, when driving style gauge fills up toward right side (or Aggressive side) and kept for certain time, then your vehicle will be automatically the switch to SMART SPORT mode.
- If you wish to maintain the SMART ECO mode for better fuel economy, try to maintain economic driving style and keep the driving style gauge green.

Various driving situations, which you may encounter in SMART mode

- The driving mode automatically changes to ECO mode after a certain period of time, when you gently depress the accelerator pedal (Your driving is categorized to be mild.).
- The driving mode automatically changes from SMART ECO mode to SMART NORMAL mode after a certain period of time, when you sharply or repetitively depress the accelerator pedal.
- The driving mode automatically changes to SMART NORMAL mode with the same driving patterns, when the vehicle starts to drive on an upward slope of a certain angle. The driving mode automatically returns to SMART ECO mode, when the vehicle enters a leveled road.

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- The driving mode automatically changes to SMART SPORT, when you abruptly accelerate the vehicle or repetitively operate the steering wheel (Your driving is categorized to be sporty.). In this mode, your vehicle drives in a lower gear for abrupt accelerating/decelerating and increases the engine brake performance.
- You may still sense the engine braking performance, even when you release the accelerator pedal in SMART SPORT mode. It is because your vehicle remains in lower gear over a certain period of time for next acceleration. Thus, it is a normal driving situation, not indicating any malfunction.
- The driving mode automatically changes to SMART SPORT mode only in harsh driving situations. In most of the normal driving situations, the driving mode sets to be either in SMART ECO mode or in SMART NORMAL mode.

Limitation of SMART mode

The SMART mode may be limited in following situations. (The OFF indicator illuminates in those situations.)

- The driver manually moves the shift lever :

 It deactivates SMART mode. The vehicle drives, as the driver manually moves the shift lever.
- The cruise control is activated :

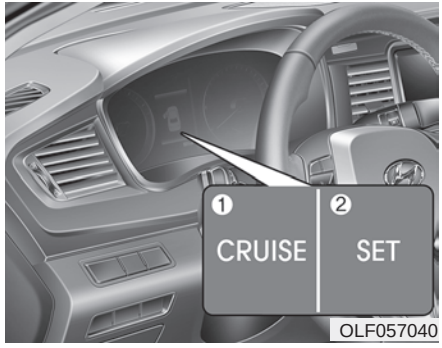
 The cruise control system may deactivate the SMART mode when the vehicle is controlled by the set speed of the smart cruise control system. (SMART mode is not deactivated just by activating the cruise control system.)
- The transmission oil temperature is either extremely low or extremely high :

 The SMART mode can be active in most of the normal driving situations. However, an extremely high/low transmission oil temperature may temporarily deactivate the SMART mode, because the transmission condition is out of normal operation condition.

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DEALER ePROCESS

CRUISE CONTROL (IF EQUIPPED)

Cruise Control Operation



1. CRUISE indicator
2. SET indicator

The Cruise Control system allows you to drive at speeds above 20 mph (30 km/h) without depressing the accelerator pedal.

⚠ WARNING

Take the following precautions:

- **If the Cruise Control is left on, (CRUISE indicator light in the instrument cluster illuminated) the Cruise Control can be activated unintentionally.**

 Keep the Cruise Control system off (CRUISE indicator light OFF) when the Cruise Control is not in use, to avoid inadvertently setting a speed.
- **Use the Cruise Control system only when traveling on open highways in good weather.**
- **Do not use the Cruise Control when it may not be safe to keep the vehicle at a constant speed:**

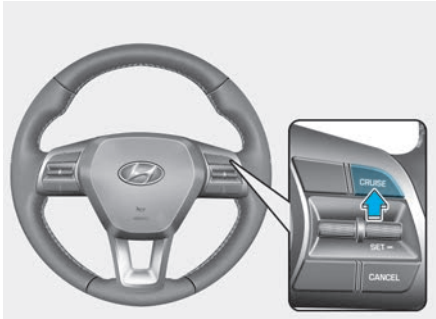
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- **Driving in heavy or varying speed traffic.**
- **On slippery (rainy, icy or snow covered) roads.**
- **Hilly or winding roads.**
- **Very windy areas.**
- **When driving with limited view (possibly due to bad weather, such as fog, snow, rain or sandstorm).**

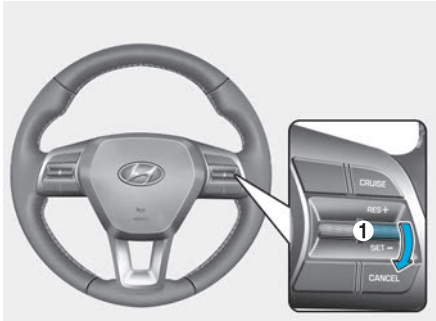
DEP DEALER ePROCESS

To set Cruise Control speed



OLF057041

1. Push the CRUISE button on the steering wheel to turn the system on. The CRUISE indicator will illuminate.
2. Accelerate to the desired speed, which must be more than 20 mph (30 km/h).



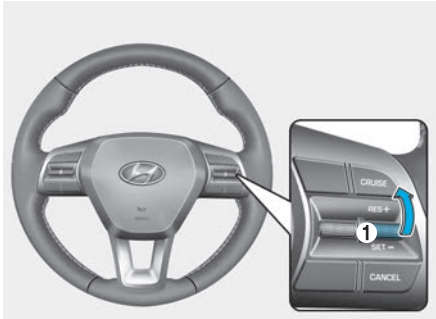
OLF057042

3. Push the toggle switch (1) down (SET-), and release it. The SET indicator light will illuminate.
4. Release the accelerator pedal.

Information

The vehicle may slow down or speed up slightly while going uphill or downhill.

To increase Cruise Control speed

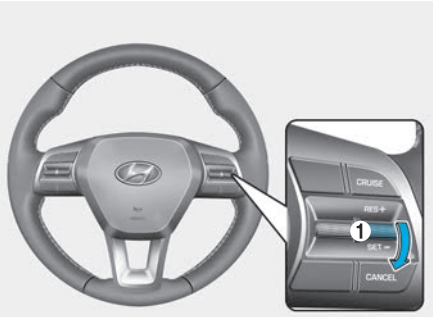


OLF057043

- Push the toggle switch (1) up (RES+) and hold it, while monitoring the SET speed on the instrument cluster. Release the toggle switch when the desired speed is shown and the vehicle will accelerate to that speed.
- Push the toggle switch (1) up (RES+) and release it immediately. The cruising speed will increase 1.0 mph (1.6 km/h) each time the toggle switch is operated in this manner.
- Depress the accelerator pedal. When the vehicle attains the desired speed, push the toggle switch (1) down (SET-).

DEP
DEALER ePROCESS

To decrease Cruise Control speed



OLF057042

- Push the toggle switch (1) down (SET-) and hold it. Your vehicle will gradually slow down. Release the toggle switch at the speed you want to maintain.
- Push the toggle switch (1) down (SET-) and release it immediately. The cruising speed will decrease 1.0 mph (1.6 km/h) each time the toggle switch is operated in this manner.
- Lightly tap the brake pedal. When the vehicle attains the desired speed, push the toggle switch (1) down (SET-).

To temporarily accelerate with the Cruise Control ON

Depress the accelerator pedal. When you take your foot off the accelerator, the vehicle will return to the previously set speed.

If you push the toggle switch down (SET-) at the increased speed, the Cruise Control will maintain the increased speed.

Cruise Control will be canceled when:



OLF057044

- Depressing the brake pedal.
- Pressing the CANCEL switch located on the steering wheel.
- Pushing the CRUISE button. Both the CRUISE indicator and the SET indicator will turn OFF.
- Moving the shift toggle switch into N (Neutral).

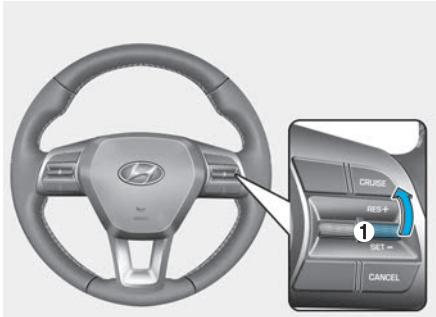
DEP
DEALER ePROCESS

- Decreasing the vehicle speed lower than the memory speed by 5 mph (10 km/h).
- Decreasing the vehicle speed to less than approximately 20 mph (30 km/h).
- The ESC (Electronic Stability Control) is operating.
- Downshifting to the 2nd gear in Manual shift mode.

Information

Each of the above actions will cancel Cruise Control operation (the SET indicator light in the instrument cluster will go off), but only pressing the CRUISE button will turn the system off. If you wish to resume Cruise Control operation, push the toggle switch up (RES+) located on your steering wheel. You will return to your previously preset speed, unless the system was turned off using the CRUISE button.

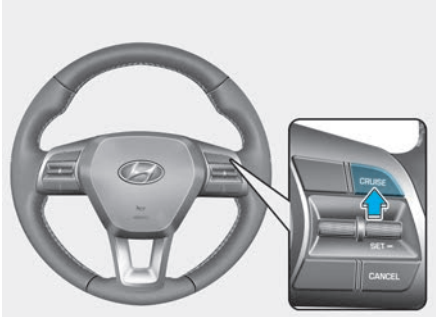
To resume preset Cruising speed



OLF057043

Push the toggle switch (1) up (RES+). If the vehicle speed is over 20 mph (30 km/h), the vehicle will resume the preset speed.

To turn Cruise Control off



OLF057041

- Push the CRUISE button (the CRUISE indicator light will go off).
- Turn the engine OFF.

DEP
DEALER ePROCESS

SMART CRUISE CONTROL SYSTEM (IF EQUIPPED)



OLF054430N

① Cruise Indicator
② Set Speed
③ Vehicle-to-Vehicle Distance

The Smart Cruise Control System allows you to program the vehicle to maintain constant speed and distance detecting the vehicle ahead without depressing the accelerator/brake pedal.

⚠ WARNING

For your safety, please read the owner's manual before using the Smart Cruise Control system.

⚠ WARNING

Do not use smart cruise control when towing a trailer.

⚠ WARNING

The Smart Cruise Control System is not a substitute for safe driving practices, but a convenience function only. It is the responsibility of the driver to always check the speed and distance to the vehicle ahead.

⚠ WARNING

Take the following precautions:

- **If the Smart Cruise Control is left on, (CRUISE indicator light in the instrument cluster is illuminated) the Smart Cruise Control can be activated unintentionally. Keep the Smart Cruise Control System off (CRUISE indicator light OFF) when the Smart Cruise Control is not in use, to avoid inadvertently setting a speed.**
- **Use the Smart Cruise Control System when traveling on open highways in good weather.**

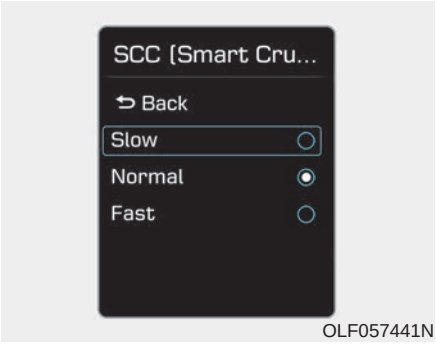
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DEP DEALER ePROCESS

(Continued)

- **Do not use the Smart Cruise Control when it may not be safe to keep the vehicle at a constant speed:**
 - **Driving in heavy or varying speed traffic.**
 - **On slippery (rainy, icy or snow covered) roads.**
 - **Construction areas**
 - **Parking areas**
 - **Hilly or winding roads.**
 - **Very windy areas.**
 - **When driving with limited view (possibly due to bad weather, such as fog, snow, rain or sandstorm)**
- **Do not use smart cruise control when towing a trailer.**

To Adjust the Sensitivity of Smart Cruise Control



OLF057441N

The sensitivity of vehicle speed when following the front vehicle to maintain the set distance can be adjusted. Go to the User Settings Mode (Driving Assist) and select SCC (Smart Cruise Control). You may select one of the three stages you prefer.

- Slow:

 Vehicle speed following the front vehicle to maintain the set distance is slower than normal speed.
- Normal:

 Vehicle speed following the front vehicle to maintain the set distance is normal
- Fast:

 Vehicle speed following the front vehicle to maintain the set distance is faster than normal speed.

DEP
DEALER ePROCESS

To Convert to Cruise Control Mode

The driver may choose to only use the Cruise Control Mode (speed control function) by doing as follows:

1. Turn the Smart Cruise Control System on (the cruise indicator light will be on but the system will not be activated).
2. Push and hold the Vehicle-to-Vehicle Distance button for more than 2 seconds.
3. Choose between "Smart Cruise Control (SCC) Mode" and "Cruise Control (CC) Mode".

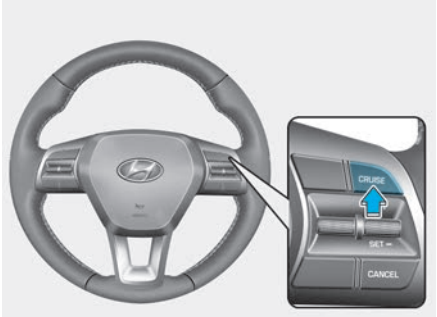
When the system is canceled using the CRUISE button or the CRUISE button is used after the engine is turned on, the SCC Mode will turn on.

⚠ WARNING

When using the Cruise Control Mode, you must manually adjust the distance to other vehicles by depressing the accelerator or brake pedal. The system does not automatically adjust the distance to vehicles in front of you.

Smart Cruise Control Speed

To set Smart Cruise Control speed



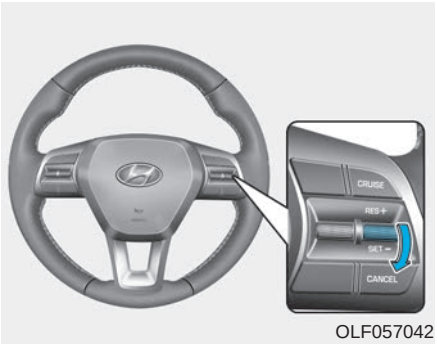
OLF057041

1. Push the CRUISE button on the steering wheel to turn the system on. The CRUISE indicator will illuminate.
2. Accelerate to the desired speed.

 The Smart Cruise Control speed can be set as follows:

 - 20 mph (30 km/h)~110 mph (180 km/h): when there is no vehicle in front
 - 0 mph (0 km/h)~110 mph (180 km/h): when there is a vehicle in front

DEP DEALER ePROCESS



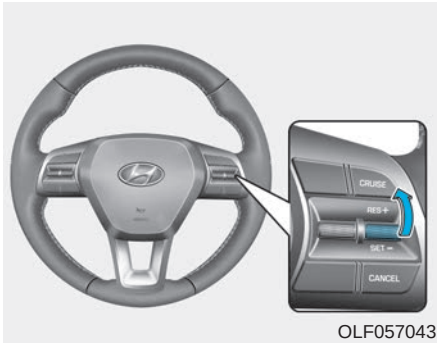
OLF057042

3. Push the toggle switch down (SET-), and release it at the desired speed. The Set Speed and Vehicle-to-Vehicle Distance on the LCD display will illuminate.
4. Release the accelerator pedal. The desired speed will automatically be maintained.

If there is a vehicle in front of you, the speed may decrease to maintain the distance to the vehicle ahead.

On a steep grade, the vehicle may slow down or speed up slightly while going uphill or downhill.

To increase Smart Cruise Control set speed

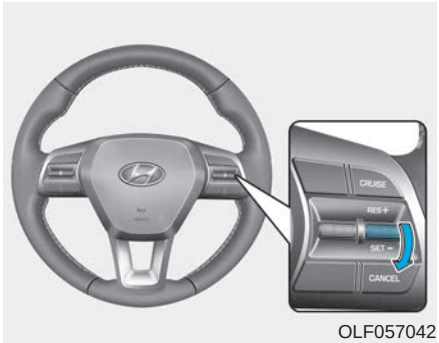


OLF057043

Follow either of these procedures:

- Push the toggle switch up (RES+), and hold it. Your vehicle set speed will increase by 5 mph (10 km/h). Release the toggle switch at the speed you want.
- Push the toggle switch up (RES+), and release it immediately. The cruising speed will increase by 1.0 mph (1.0 km/h) each time you move the toggle switch up in this manner.
- You can set the speed to 110 mph (180 km/h).

To decrease the Smart Cruise Control set speed



OLF057042

Follow either of these procedures:

- Push the toggle switch down (SET-), and hold it. Your vehicle set speed will decrease by 5 mph (10 km/h). Release the toggle switch at the speed you want.
- Push the toggle switch down (SET-), and release it immediately. The cruising speed will decrease by 1.0 mph (1.0 km/h) each time you move the toggle switch down in this manner.
- You can set the speed to 20 mph (30 km/h).

DEP
DEALER ePROCESS

To temporarily accelerate with the Smart Cruise Control on

If you want to speed up temporarily when the Smart Cruise Control is on, depress the accelerator pedal. Increased speed will not interfere with Smart Cruise Control operation or change the set speed.

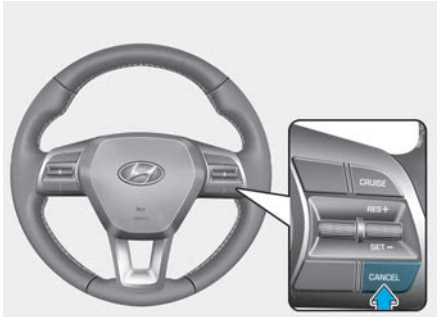
To return to the set speed, take your foot off the accelerator.

If you push the toggle switch down (SET-) at increased speed, the cruising speed will be set again.

⚠ CAUTION

Be careful when accelerating temporarily, because the speed is not controlled automatically at this time even if there is a vehicle in front of you.

Smart Cruise Control will be temporarily canceled when:



OLF057044

Canceled manually

- Depressing the brake pedal.
- Pressing the CANCEL button located on the steering wheel.

The Smart Cruise Control turns off temporarily when the indicator on the LCD display turns off.

The CRUISE indicator is illuminated continuously.

Canceled automatically

- The driver's door is opened.
- The shift toggle switch is shifted to N (Neutral), R (Reverse) or P (Park).
- The EPB (Electronic Parking Brake) is applied.
- The vehicle speed is over 120 mph (190 km/h)
- The ESC (Electronic Stability Control), TCS (Traction Control System) or ABS is operating.
- The ESC is turned off.
- The AEB (Automatic Emergency Btaking) system is operating.
- The radar or the cover is dirty or blocked with foreign matter.
- The engine speed is over 7000 rpm.
- The SCC system has malfunctioned.
- When the vehicle is stopped for more than 5 minutes.
- The driver starts driving by pushing the toggle switch up (RES+) or down (SET-) or depressing the accelerator pedal, approximately 3 seconds after the vehicle is stopped by the Smart Cruise Control System with no other vehicle ahead.

DEP DEALER ePROCESS

- The driver starts driving by pushing the toggle switch up (RES+) or down (SET-) or depressing the accelerator pedal, after stopping the vehicle with a vehicle stopped far away in front.
- The accelerator pedal is continuously depressed for more than 5 minutes.

 Each of these actions will cancel the Smart Cruise Control operation. (The Set Speed and Vehicle-to-Vehicle Distance on the LCD display will go off.)

 In a condition the Smart Cruise Control is canceled automatically, the Smart Cruise Control will not resume even though the RES+ or SET- toggle switch is pushed. Also, the EPB will be applied when the vehicle is stopped.

NOTICE

If the Smart Cruise Control is canceled by other than the reasons mentioned, have your vehicle checked by an authorized HYUNDAI dealer.



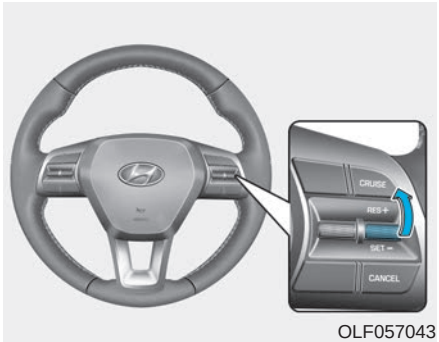
OLF057561N

If the system is canceled, the warning chime will sound and a message will appear for a few seconds.

You must adjust the vehicle speed by depressing the accelerator or brake pedal according to the road condition ahead and driving condition.

Always check the road conditions. Do not rely on the warning chime.

To resume Smart Cruise Control set speed



OLF057043

If any method other than the CRUISE toggle switch was used to cancel cruising speed and the system is still activated, the cruising speed will automatically resume when you push the toggle switch up (RES+) or down (SET-).

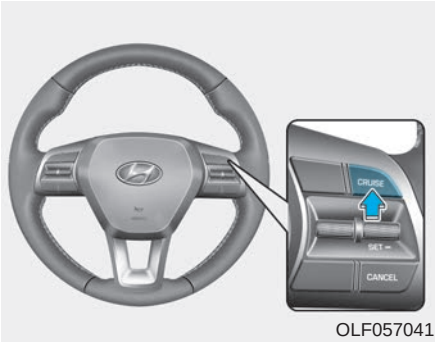
If you push the toggle switch up (RES+), the speed will resume to the recently set speed. However, if vehicle speed has dropped below approximately 20 mph (30 km/h), it will resume when there is a vehicle in front of your vehicle.

DEP
DEALER ePROCESS

⚠ CAUTION

Always check the road conditions when you push the toggle switch up (RES+) to resume speed.

To turn Cruise Control off



OLF057041

Push the CRUISE button (the CRUISE indicator light will go off).

Smart Cruise Control Vehicle-to-Vehicle Distance

To set Vehicle-to-Vehicle Distance

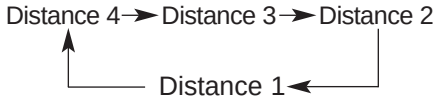


OLF057045

When the Smart Cruise Control System is ON, you can set and maintain the distance from the vehicle ahead of you without pressing the accelerator or brake pedal.

DEP
DEALER ePROCESS

Each time the button is pressed, the vehicle to vehicle distance changes as follows:



For example, if you drive at 56 mph (90 km/h), the distance maintain as follows:

Distance 4 - approximately 172 feet (52.5 m)
Distance 3 - approximately 130 feet (40 m)
Distance 2 - approximately 106 feet (32.5 m)
Distance 1 - approximately 82 feet (25 m)

Information

Distance 4 is always set when the system is used for the first time after starting the engine.

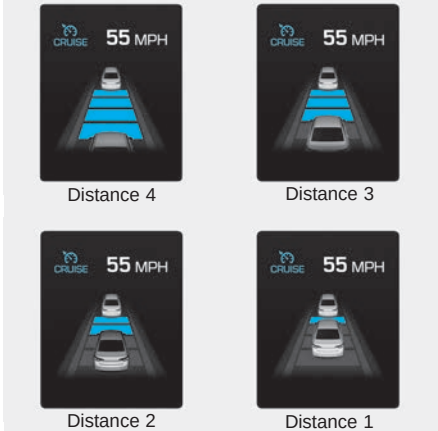
When the lane ahead is clear:



OLF056474N

The vehicle speed will maintain the set speed.

When there is a vehicle ahead of you in your lane:



OLF054213N/OLF054214N/ OLF054215N/OLF054216N

- Your vehicle speed will slow down or speed up to maintain the selected distance.
- If the vehicle ahead speeds up, your vehicle will travel at a steady cruising speed after accelerating to the set speed.

DEP
DEALER ePROCESS

⚠ WARNING



OLF054031N

When using the Smart Cruise Control System:

- **The warning chime sounds and the Vehicle-to Vehicle Distance indicator blinks if the vehicle is unable to maintain the selected distance from the vehicle ahead.**

(Continued)

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- **If the warning chime sounds, depress the accelerator or brake pedal to actively adjust the vehicle speed, and the distance to the vehicle ahead.**
- **Even if the warning chime is not activated, always pay attention to the driving conditions to prevent dangerous situations from occurring.**



OLF057203N

⚠ CAUTION

If the vehicle ahead (vehicle speed: less than 20 mph (30km/h)) disappears to the next lane, the warning chime will sound and a message will appear. Adjust your vehicle speed for vehicles or objects that can suddenly appear in front of you by depressing the brake pedal.

Always pay attention to the road condition ahead.

DEP
DEALER ePROCESS

In traffic situation



OLF057204N

In traffic, your vehicle will stop if the vehicle ahead of you stops. Also, if the vehicle ahead of you starts moving, your vehicle will start as well. However, if the vehicle stops for more than 3 seconds, you must depress the accelerator pedal or push up the toggle switch (RES+ or SET-) to start driving.

Radar to Detect Distance to the Vehicle Ahead



OLF057032N

The Smart Cruise Control uses a radar to detect distance to the vehicle ahead.

Radar check message



OLF057593N

If the radar or cover is dirty or obscured with foreign matter such as snow, this message will appear. In this case, the system may not function temporarily, but it does not indicate a malfunction of the Smart Cruise Control System. Clean the radar or cover by using a soft cloth.

DEP
DEALER ePROCESS

SCC (Smart Cruise Control) malfunction message



OLF057440N

The message will appear when the vehicle to vehicle distance control system is not functioning normally.

Take your vehicle to an authorized HYUNDAI dealer and have the system checked.

⚠ CAUTION

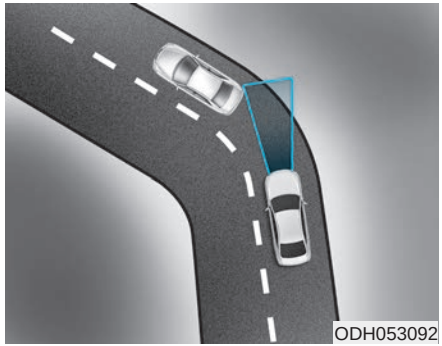
- **Do not install accessories around the radar and do not replace the bumper by yourself. It may interfere with the radar performance.**
- **Always keep the radar and bumper clean.**
- **To prevent radar cover damage from occurring, wash the car with a soft cloth.**
- **Do not paint the radar cover.**
- **Do not damage the radar or radar area by a strong impact. If the radar moves slightly off position, the Smart Cruise Control System will not operate correctly. If this occurs, have your vehicle checked by an authorized HYUNDAI dealer.**
- **Use only a genuine HYUNDAI radar cover for your vehicle.**

Limitations of the System

The Smart Cruise Control System may have limits to its ability to detect distance to the vehicle ahead due to road and traffic conditions.

DEP
DEALER ePROCESS

On curves



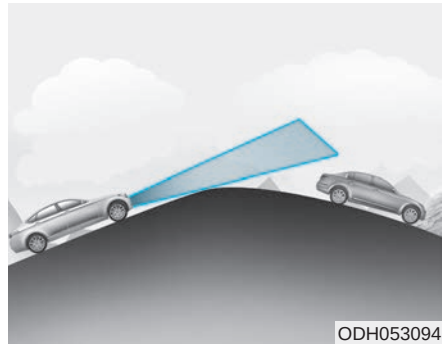
- The Smart Cruise Control System may not detect a moving vehicle in your lane, and then your vehicle could accelerate to the set speed. Also, the vehicle speed will decrease when the vehicle ahead is recognized suddenly.
- Select the appropriate set speed on curves and apply the brakes or accelerator pedal if necessary.



Your vehicle speed can be reduced due to a vehicle in the adjacent lane.

Apply the accelerator pedal and select the appropriate set speed. Check to be sure that the road conditions permit safe operation of the Smart Cruise Control.

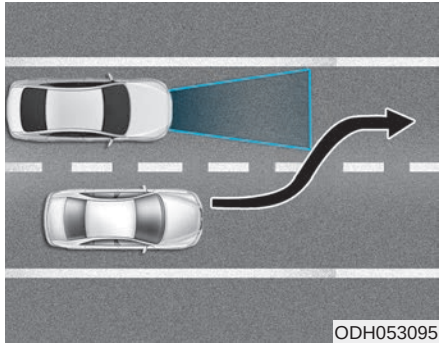
On inclines



- During uphill or downhill driving, the Smart Cruise Control System may not detect a moving vehicle in your lane, and cause your vehicle to accelerate to the set speed. Also, the vehicle speed will rapidly decrease when the vehicle ahead is recognized suddenly.
- Select the appropriate set speed on inclines and apply the brake or accelerator pedal if necessary.

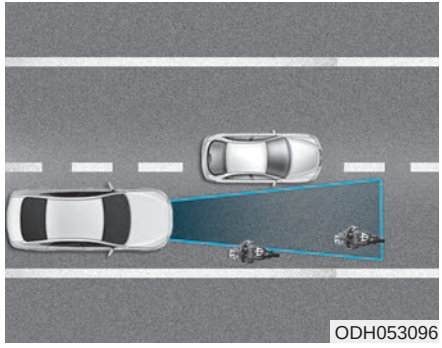
DEP
DEALER ePROCESS

Lane changing



- A vehicle which moves into your lane from an adjacent lane cannot be recognized by the radar until it is in the radar's detection range.
- The radar may not detect immediately when a vehicle cuts in suddenly. Always pay attention to the traffic, road and driving conditions.
- If a slower vehicle moves into your lane, your speed may decrease to maintain the distance to the vehicle ahead.
- If a faster vehicle moves into your lane, your vehicle will accelerate to the set speed.

Vehicle recognition



Some vehicles in your lane cannot be recognized by the radar:

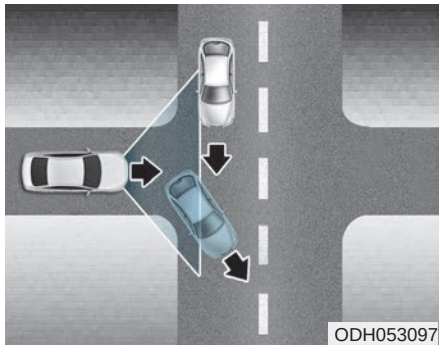
- Narrow vehicles such as motorcycles or bicycles
- Vehicles offset to one side
- Slow-moving vehicles or sudden-decelerating vehicles
- Stopped vehicles
- Vehicles with small rear profile such as trailers with no loads

A vehicle ahead cannot be recognized correctly by the radar if any of following occurs:

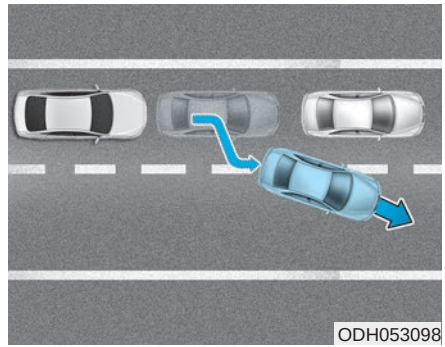
- When the vehicle is pointing upwards due to overloading in the trunk
- While the steering wheel is operating
- When driving to one side of the lane
- When driving on narrow lanes or on curves

Apply the brake or accelerator pedal if necessary.

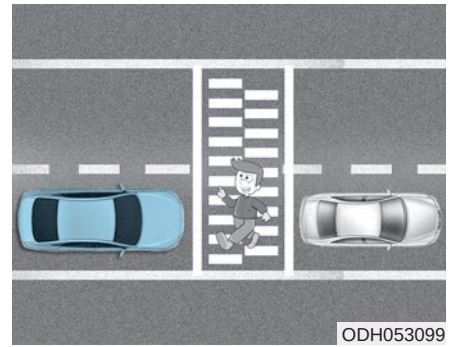
DEP
DEALER ePROCESS


ODH053097

- Your vehicle may accelerate when a vehicle ahead of you disappears.
- When you are warned that the vehicle ahead of you is not detected, drive with caution.

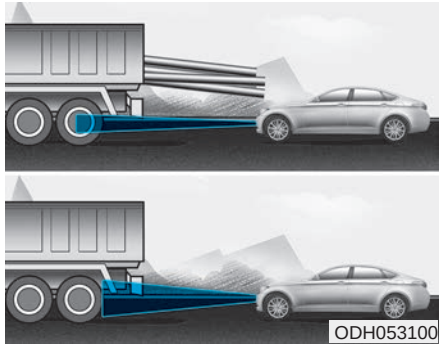

ODH053098

- When vehicles are at a standstill and the vehicle in front of you changes to the next lane, be careful when your vehicle starts to move because it may not recognize the stopped vehicle in front of you.


ODH053099

- Always look out for pedestrians when your vehicle is maintaining a distance with the vehicle ahead.

DEP
DEALER ePROCESS



- Always be cautious for vehicles with higher height or vehicles carrying loads that sticks out from the back of the vehicle.

⚠ WARNING

When using the Smart Cruise Control take the following precautions:

- **If an emergency stop is necessary, you must apply the brakes. The vehicle cannot be stopped by using the Smart Cruise Control System.**
- **Keep a safe distance according to road conditions and vehicle speed. If the vehicle to vehicle distance is too close during a high-speed driving, a serious collision may result.**
- **Always maintain sufficient braking distance and decelerate your vehicle by applying the brakes if necessary.**
- **The Smart Cruise Control System cannot recognize a stopped vehicle, pedestrians or an oncoming vehicle. Always look ahead cautiously to prevent unexpected and sudden situations from occurring.**

(Continued)

(Continued)

- **Vehicles moving in front of you with a frequent lane change may cause a delay in the system's reaction or may cause the system to react to a vehicle actually in an adjacent lane. Always drive cautiously to prevent unexpected and sudden situations from occurring.**
- **Always be aware of the selected speed and vehicle to vehicle distance.**
- **The Smart Cruise Control System may not recognize complex driving situations so always pay attention to driving conditions and control your vehicle speed.**

DEP DEALER ePROCESS

NOTICE

The Smart Cruise Control System may not operate temporarily due to:

- **Electrical interference**
- **Modifying the suspension**
- **Differences of tire abrasion or tire pressure**
- **Installing different type of tires**

Information

This device complies with Part 15 of the FCC rules.

Operation is subject to the following three conditions:

1. **This device may not cause harmful interference, and**
2. **This device must accept any interference received, including interference that may cause undesired operation.**
3. **Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.**

Information

Radio frequency radiation exposure information:

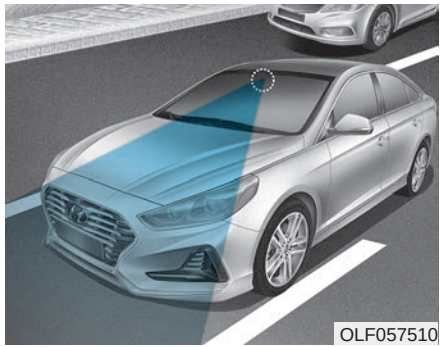
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance of 20 cm between the radiator (antenna) and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

DEP
DEALER ePROCESS

LANE KEEPING ASSIST SYSTEM (LKAS)


OLF057510

The Lane Keeping Assist System helps detect the lane markers on the road with a camera at the front windshield, and assists the driver's steering to help keep the vehicle in the lanes.

When the system detects the vehicle straying from its lane, it alerts the driver with a visual and audible warning, while applying a slight counter-steering torque, trying to prevent the vehicle from moving out of its lane.

⚠ WARNING

- **Driver is responsible for being aware of surroundings and steering the vehicle for safe driving practices.**
- **Do not steer the steering wheel suddenly when the steering wheel is being assisted by the system.**
- **LKAS helps prevent the driver from moving out of the lane unintentionally by assisting the driver's steering. However, the system is just a convenience function and the steering wheel is not always controlled. While driving, the driver should pay attention to the steering wheel.**
- **The operation of the LKAS can be cancelled or not work properly according to road condition and surroundings. Always be cautious when driving.**

⚠ WARNING

- **Do not disassemble LKAS camera temporarily for tinted window or attaching any types of coatings and accessories. If you disassemble a camera and assemble it again, take your vehicle to an authorized HYUNDAI dealer and have the system checked for a calibration.**
- **When you replace the windshield glass, LKAS camera or related parts of the steering, take your vehicle to an authorized HYUNDAI dealer and have the system checked for a calibration.**
- **The system detects lane markers and controls the steering wheel by a camera, therefore, if the lane markers are hard to detect, the system may not work properly. Always be cautious when using the system.**

(Continued)

DEP DEALER ePROCESS

(Continued)

- When the lane markers are hard to detect, please refer to "Limitation of the System".
- Do not remove or damage the related parts of LKAS.

⚠ WARNING

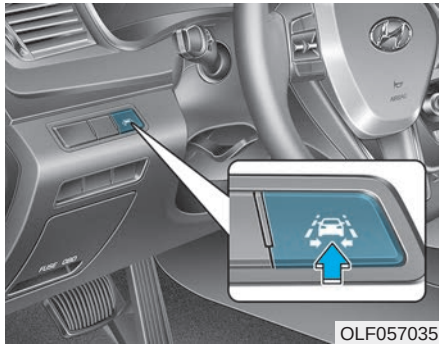
- Do not place objects on the dashboard that reflects light such as mirrors, white paper, etc. The system may malfunction if the sunlight is reflected.
- Do not place any accessories near the rearview mirror.
- You may not hear warning sound of LKAS because of the excessive audio sound.

(Continued)

(Continued)

- If you continue to drive with your hands off the steering wheel, the LKAS will stop controlling the steering wheel after the hands off alarm. After then, if you drive with your hands on the steering wheel, the control will be activated again.
- If the vehicle speed is high, steering torque for assistance will not be enough to keep your vehicle within the lane. If so, the vehicle may move out of its lane.
- If you attach objects to the steering wheel, the system may not assist steering.
- If you attach objects to the steering wheel, hands off alarm may not work properly.

LKAS operation


OLF057035

To activate/deactivate the LKAS:

With the ignition switch in the ON position, press the LKAS button located on the instrument panel on the lower left hand side of the driver.

The indicator in the cluster display will initially illuminate white.

When the indicator(white) activated in the previous ignition cycle, the system turns on without any control.

DEP DEALER ePROCESS

If you press the LKAS button again, the indicator on the cluster display will go off.

The color of indicator will change depend on the condition of LKAS.

- White : Sensor does not detect the lane marker or vehicle speed is less than 40 mph (64 km/h).
- Green : Sensor detects the lane marker and system is able to control the steering.

LKAS activation



OLF057562N

- To see the LKAS screen on the LCD display in the cluster, Tab to the ASSIST mode (). For more details, refer to "LCD Display" in chapter 3.
- After LKAS is activated, if both lane markers are detected, vehicle speed is over 40 mph (64 km/h) and all the activation conditions are satisfied, a green steering wheel indicator will illuminate and the steering wheel will be controlled.

⚠ WARNING

The Lane Keeping Assist System is a system to help prevent the driver from leaving the lane. However, the driver should not solely rely on the system but always check the road conditions when driving.

DEP DEALER ePROCESS

■ Lane Line undetected ■ Lane Line detected



OLF057563N/OLF057564N

If the speed of the vehicle is over 40 mph (64 km/h) and the system detects lane markers, the color changes from gray to white.

■ Left lane line ■ Right lane line



OLF057566N/OLF057565N

If the speed of the vehicle is over 40 mph (64 km/h) and the system detects lane markers, the color changes from gray to white.

When the conditions below are met, LKAS will be enable to assist steering.

- Vehicle speed is above 40mph (64 km/h).
- Both lane markers are detected by LKAS.
- The vehicle is between the lane markers.

If LKAS can assist steering, a green steering wheel indicator will illuminate.

DEP
DEALER ePROCESS

■ Left lane line



■ Right lane line



OLF057567N/OLF057568N

If the vehicle moves out its lane because steering torque for assistance is not enough, the line indicator of deviation direction will blink.



OLF057569N

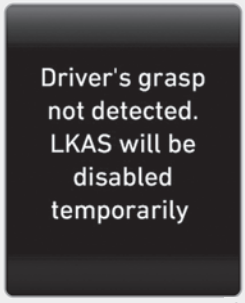
Keep hands on steering wheel

If the driver takes hands off the steering wheel for several seconds while the LKAS is activated, the system will warn the driver.

⚠ WARNING

- **The warning message may appear late according to road conditions. Therefore, always have your hands on the steering wheel while driving.**
- **If you hold the steering wheel lightly, the system would generate hands off warning because LKAS can treat the situation as you do not grab the wheel.**

DEP
DEALER ePROCESS



OLF057570N

Driver's grasp not detected. LKAS will be disabled temporarily

If the driver still does not have their hands on the steering wheel after several seconds, the system will not control the steering wheel and warn the driver only when the driver crosses the lane markers.

However, if the driver has their hands on the steering wheel again, the system will start controlling the steering wheel.

LKAS malfunction

Check LKAS



OLF057571N

LKAS failure indicator

The LKAS failure indicator (yellow) will illuminate if the LKAS is not working properly. Have your vehicle checked by an authorized HYUNDAI dealer.

⚠ WARNING

- **The driver is responsible for accurate steering.**
- **Turn off the system and drive the vehicle in below situations.**
 - **In bad weather**
 - **In bad road condition**
 - **When the steering wheel needs to be controlled by the driver frequently.**
- **The steering wheel may feel heavier when the steering wheel is assisted by the system than when it is not.**

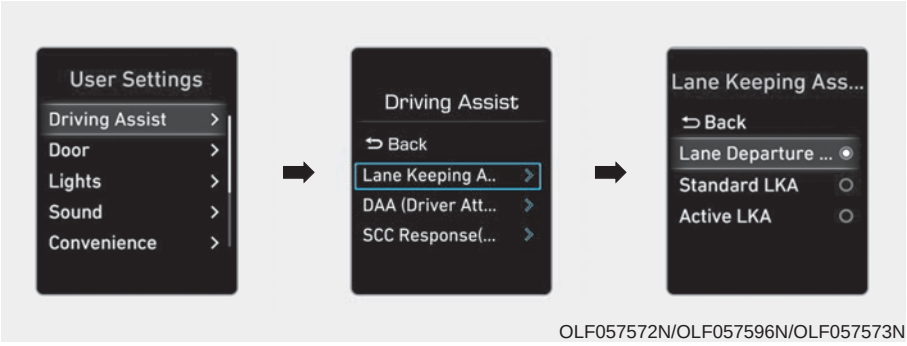
DEP
DEALER ePROCESS

The system will be cancelled when:

- You change lanes with the turn signal.
 - Using the turn signal to change lanes.
 - If you change lanes without the turn signal on, the steering wheel might be controlled.
- LKAS can transit to steering assist mode when the car is near to middle of the lane after system on or the lane was changed. LKAS can not assist steering if the vehicle follows lane marker too close continuously before transition to steering assist mode.
- The control of ESC (Electronic Stability Control) or VSM (Vehicle Stability Management) is activated.
- The steering will not be assisted when your drive fast on a sharp curve.
- The steering will not be assisted when vehicle speed is below 40 mph (64 km/h) and over 110 mph (177 km/h).
- The steering will not be assisted when you change lanes fast.
- The steering will not be assisted when you brake suddenly.
- The steering will not be assisted when the lane is very wide or narrow.
- The steering will not be assisted when only one side lane marker is detected.
- There are more than two lane markers such as a construction area.
- Radius of a curve is too small.
- When you turn steering wheel suddenly, the LKAS will be disabled temporarily.
- Driving on a steep slope or hill.

DEP DEALER ePROCESS

LKAS function change



OLF057572N/OLF057596N/OLF057573N

The driver can change LKAS to Lane Departure Warning System (LDWS) or the LKAS mode between Standard LKA and Active LKA from the User Settings Mode on the LCD display.

Lane Departure Warning

LDWS alerts the driver with a visual and acoustic warning when the system detects the vehicle leaving the lane. In this mode, the steering wheel will not be controlled. When the vehicle's front wheel contacts the inside edge of lane line, LKAS issues the lane departure warning.

Standard LKA

The Standard LKA mode guides the driver to help keep the vehicle within the lanes. It rarely controls the steering wheel, when the vehicle drives well inside the lanes. However, it starts to control the steering wheel, when the vehicle is about to deviate out of the lanes.

Active LKA

The active LKA mode provides more frequent steering wheel control in comparison with the Standard LKA mode. Active LKA can reduce the driver's fatigue to assist the steering for maintaining the vehicle in the middle of the lane.

DEP
DEALER ePROCESS

Limitations of the System

The driver must be cautious in the below situations may not work properly when :

- It is difficult to distinguish the lane marker from road when the lane marker is covered with dust.
- It is difficult to distinguish the color of the lane marker from road.
- There is something looks like a lane marker.
- The lane marker is indistinct or damaged.
- The number of lanes increases/ decreases or the lane lines are crossing (Driving through a toll plaza/toll gate, merged/divided lane).
- There are more than two lane markers.
- The lane marker is very thick or thin.
- The lane marker is not visible due to snow, rain, stain, a puddle or other factors.
- A shadow is on the lane marker because of a median strip, guardrail, noise barriers and others.
- When the lane markers are complicated or a structure substitutes for the lines such as a construction area.
- There are crosswalk signs or other symbols on the road.
- The lane marker in a tunnel is covered with dirt or oil.
- The brightness of outside changes suddenly when entering or exiting a tunnel.
- The headlamps are not on at night or in a tunnel, or light level is low.
- There is a boundary structure in the roadway.
- The light of street, sun, oncoming vehicle and so on reflects from the water on the road.
- When light shines brightly in the reverse direction you drive.
- The lane suddenly disappears such as at the intersection.
- The distance from the vehicle ahead is very short or the vehicle ahead drives hiding the lane line.
- You drive on a steep grade or a sharp curve.
- The vehicle vibrates heavily.
- The temperature near inside mirror is very high due to direct sun light.
- The lens or windshield is covered by strange materials.
- The sensor cannot detect the lane because of fog, heavy rain or snow.
- The windshield is fogged by humid air in the vehicle.
- Putting something on the crash pad.

DEP DEALER ePROCESS

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

DEP
DEALER ePROCESS

DRIVER ATTENTION ALERT SYSTEM (DAA, IF EQUIPPED)

The Driver Attention Alert (DAA) system displays the condition of the driver's fatigue and inattention.

System setting and activation

System setting



OLF057574N

- The Driver Attention Alert system is set to be in the OFF position, when your vehicle is first delivered to you from the factory.
- To turn ON the Driver Attention Alert system, turn on the engine, and then select 'User Settings → Driving Assist → Driver Attention Alert → Normal/Early' on the LCD display.
- The Driver can select mode of the Driver Attention Alert System.
 - Off : The Driver Attention Alert system is deactivated.
 - Normal : The Driver Attention Alert system alerts the driver of his/her fatigue level or inattentive driving practices.
 - Early : The Driver Attention Alert system alerts the driver of his/her fatigue level or inattentive driving practices faster than Normal mode.
- The set-up of the Driver Attention Alert system will be maintained, as selected, when the engine is restarted.

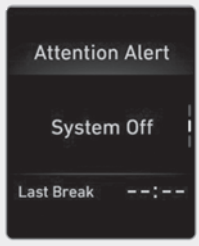
Prerequisite for activation

The Driver Attention Alert system is operable, when driving speed is between 40 mph (60 km/h) and 110 mph (180 km/h).

DEP DEALER ePROCESS

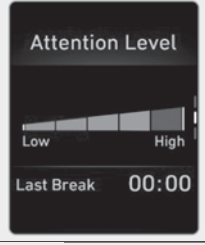
Driver's attention level

■ System off



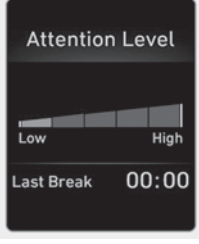
OLF057575N

■ Attentive driving



OLF057576N

■ Inattentive driving



OLF057578N

- The driver can monitor their driving conditions on the LCD display.
 - Select 'User Settings Mode' and then 'Driving Assist' on the LCD display. **(For more information, refer to "LCD Display" in chapter 3.)**
- The driver's attention level is displayed on the scale of 1 to 5. The lower the number is, the more inattentive the driver is.
- The number decreases when the driver does not take a break for a certain period of time.
- The number increases when the driver attentively drives for a certain period of time.
- With the system on while driving, it displays 'Last Break time' and level reflected that.

Take a break



OLF057577N

- The "Consider taking a break" message appears on the LCD display and a warning sounds in order to suggest the driver to take a break, when the driver's attention level is below 1.
- The Driver Attention Alert system does not suggest the driver to take a break, when the total driving time is shorter than 10 minutes.
- The message appears on the LCD display and warning sounds even if you do not choose the Driver Attention Alert system.

DEP
DEALER ePROCESS

Resetting the system

- The last break time is set to 00:00 and the driver's attention level is set to 5 (very attentive) when the driver resets the Driver Attention Alert system.
- The Driver Attention Alert system resets in the following situations.
 - The engine is turned OFF.
 - The driver unfastens the seat belt and then opens the driver's door.
 - Stop lasting more than 10 minutes.

The Driver attention Alert system operates again, when the driver restarts driving.

System standby



OLF057579N

The Driver Attention Alert system enters the ready status and displays the 'Standby' screen in the following situations.

- The camera sensor keeps failing to detect the lanes.
- Driving speed remains under 40 mph (60 km/h) or over 110 mph (180 km/h).

System malfunction



OLF057580N

When the "Check Driver Attention Alert" warning message appears, the system is not working properly. In this case, we recommend you to have the vehicle inspected by an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

⚠ WARNING

- The Driver Attention Alert system is not a substitute for safe driving practices, but a convenience function only. It is the responsibility of the driver to always drive cautiously to prevent unexpected and sudden situations from occurring. Pay attention to the road conditions at all times.
- It may suggest a break according to the driver's driving pattern or habits even if the driver doesn't feel fatigued.
- The driver, who feels fatigued, should take a break, even though there is no break suggestion by the Driver Attention Alert system.

NOTICE

The Driver Attention Alert system utilizes the camera sensor on the front windshield for its operation.

To keep the camera sensor in the best condition, you should observe the followings:

- Do not disassemble camera temporarily for tinted window or attaching any types of coatings and accessories. If you disassemble a camera and assemble it again, take your vehicle to an authorized HYUNDAI dealer and have the system checked for a calibration.
- Do not locate any reflective objects (i.e. white paper, mirror) over the dashboard. Any light reflection may cause a mal-function of the Driver Attention Alert (DAA) system.
- Pay extreme caution to keep the camera sensor out of water.

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- Do not arbitrarily disassemble the camera assembly, nor apply any impact on the camera assembly.
- Playing the vehicle audio system at high volume may offset the Driver Attention Alert system warning sounds.

DEP
DEALER ePROCESS

⚠ CAUTION

The Driver Attention Alert system may not properly operate with limited alerting in the following situations:

- **Not properly recognize lane (See the LKAS)**
- **Rough or intentionally evasive driving**
- **Large tire pressure deviation, uneven wear, poor wheel alignment, etc.**
- **Severe winding road**
- **Uneven road surface condition**
- **Windy road**
- **The vehicle drives through a windy area.**

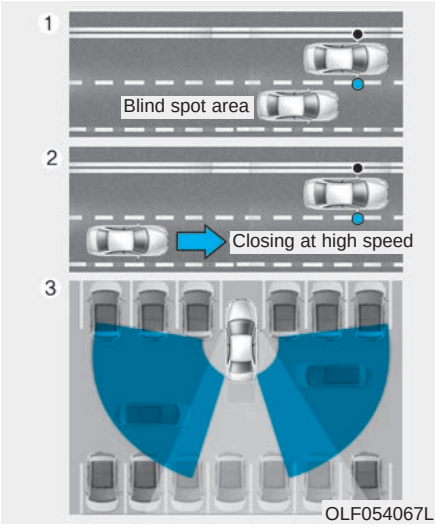
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- **The vehicle is controlled by the following driving assist systems:**
 - **Lane Keeping Assist System (LKAS)**
 - **Autonomous Emergency Braking (AEB) System**
 - **Smart Cruise Control (SCC) System**

DEP DEALER ePROCESS

BLIND SPOT DETECTION SYSTEM (BSD) (IF EQUIPPED)



The Blind Spot Detection System (BSD) uses a radar sensor to alert the driver.

It senses the rear side territory of the vehicle and provides an indication to the driver if it detects an object approaching from these areas.

(1) BSD (Blind Spot Detection)

The warning range depends on your vehicle speed. However, if your vehicle is much faster than the other vehicle, the system will not warn you.

(2) LCA (Lane Change Assist)

If the system detects a vehicle approaching you at high speed, the system will warn you.

(3) RCTA (Rear Cross Traffic Alert)

If the radar detects an approaching vehicle from the left and right side as your vehicle moves rearward, the system will warn you.

⚠ WARNING

- **Always check the road condition while driving for unexpected situations even though the Blind Spot Detection System (BSD) is operating.**
- **The Blind Spot Detection System (BSD) is a supplemental system to assist you. Do not solely rely on the system and always pay attention and drive safely.**
- **The Blind Spot Detection System (BSD) is not a substitute for proper and safe driving. Always drive safely and use caution when changing lanes or backing the vehicle up. The Blind Spot Detection System (BSD) may not detect every object alongside the vehicle.**

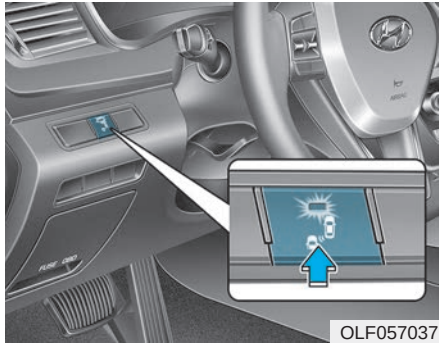
DEP
DEALER ePROCESS

⚠ WARNING

As the Blind Spot Detection (BSD) system is a supplemental device for your safe driving, it may be dangerous to rely on only the BSD information of the head up display image when changing the lane. Always pay attention to drive safely.

BSD (Blind Spot Detection) / LCA (Lane Change Assist)

Operating conditions


OLF057037

To operate:

Press the BSD switch with the Engine Start/Stop button in the ON position. The indicator illuminates on the switch. If vehicle speed exceeds 20 mph (30km/h) the system will activate.

To cancel:

Press the BSD switch again. The indicator on the switch will go off.

When the system is not used, turn the system off by turning off the switch.

NOTICE

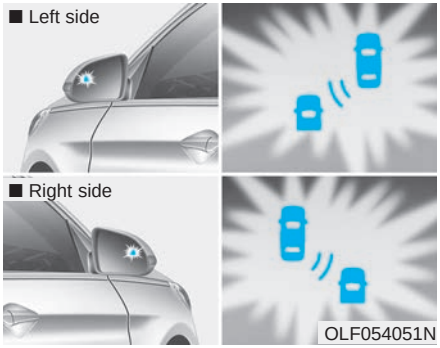
- **If the engine is turned off and on, the system returns to the previous state.**
- **When the system is turned on, the warning light will illuminate for 3 seconds on the outside rearview mirror.**

Warning type

The system will activate when:

1. The system is on.
2. Vehicle speed is above about 20 mph (30 km/h).
3. Other vehicles are detected in the rear side.

DEP DEALER ePROCESS



First stage alert

If a vehicle is detected within the boundary of the system, a warning light will illuminate on the outside rearview mirror.

If the detected vehicle is not in warning range, the warning will turn off according to driving conditions.



Second stage alert

The second stage alarm will activate when:

1.The first stage alert is on.

2.The turn signal light is on to change a lane.

When the second stage alert is activated, a warning light will blink on the outside rearview mirror and an alarm will sound.

If you turn off the turn signal light, the second stage alert will be deactivated.

DEP
DEALER ePROCESS

Detecting radar



OLF057054

The radars are located inside of the rear bumper.

Always keep the rear bumper clean for the system to work properly.

Warning message



OLF057581N

- This warning message may appear when :
 - One or both of the sensors on the rear bumper is blocked by dirt or snow or a foreign object
 - Driving in rural areas where the BSD sensor does not detect another vehicle for an extended period of time
 - When there is inclement weather such as heavy snow or rain

If any of these conditions occur, the light on the BSD switch and the system will turn off automatically.

When the BSD cancelled warning message is displayed in the cluster, check to make sure that the rear bumper is free from any dirt or snow in the areas where the sensor is located. Remove any dirt, snow, or foreign material that could interfere with the radar sensors.

After any dirt or debris is removed, the BSD system should operate normally after about 10 minutes of driving the vehicle.

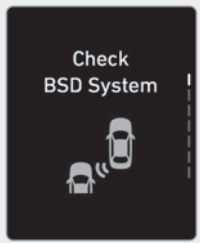
If the system still does not operate normally have your vehicle inspected by an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

■ Type A



■ Type B

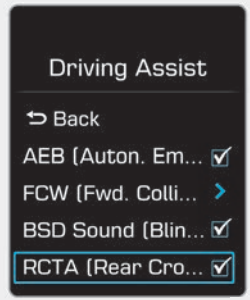


OLF057560L/OLF057582N

If the system does not work properly, a warning message will appear and the light on the switch will turn off. The system will turn off automatically. Have your vehicle checked by an authorized HYUNDAI dealer.

RCTA (Rear Cross Traffic Alert)

Operating conditions



OLF057597N

To operate:

Go to the User Settings Mode (Driving Assist) and select RCTA (Rear Cross Traffic Alert) on the LCD display **(For more details, refer to "LCD Display" in chapter 3.)**. The system will turn on and standby to activate. The system will activate when vehicle speed is below 6 mph (10 km/h) with the shift lever in R (Reverse).

NOTICE

The RCTA (Rear Cross Traffic Alert) detecting range is about 1 feet (0.5 m) ~ 65 feet (20 m). A vehicle will be detected if the vehicle speed is 2.5 mph (4 km/h) ~ 22 mph (36 km/h) within the detecting range. However, the detecting range may change under different conditions. Always pay attention to the surroundings.

DEP
DEALER ePROCESS

Warning type

■ Left

• Type A



• Type B



OLF057221N/OLF057219N

■ Right

• Type A



• Type B



OLF057222N/OLF057218N

If the vehicle detected by the radars approaches your vehicle, the warning chime will sound, the warning light on the outside rearview mirror will blink and a message will appear on the LCD display.

⚠ WARNING

- **The warning light on the outside rearview mirror will illuminate whenever a vehicle is detected at the rear side by the system.**

 To avoid accidents, do not focus only on the warning light and neglect to see the surrounding of the vehicle.
- **Drive safely even though the vehicle is equipped with a Blind Spot Detection System (BSD) and Rear Cross Traffic Alert (RCTA). Do not solely rely on the system but check your surrounding before changing lanes or backing the vehicle up.**

 The system may not alert the driver in some conditions so always check the surroundings while driving.

(Continued)

(Continued)

- **The Blind Spot Detection System (BSD) and Rear Cross Traffic Alert (RCTA) are not a substitute for proper and safe driving practices. Always drive safely and use caution when changing lanes or backing the vehicles up. The Blind Spot Detection System (BSD) may not detect every object alongside the vehicle.**

i Information

- **If the detected vehicle is out of the sensing range of your vehicle, move the vehicle away from the detected object slowly; the warning will be canceled.**
- **The system may not operate properly due to other factors or circumstances. Always pay attention to your surrounding.**
- **If your vehicle's left or right side bumper is blinded by barrier or vehicles, the system sensing ability may be reduced.**

DEP DEALER ePROCESS

NOTICE

- **The system may not work properly if the bumper has been replaced or if repair work has been done near the radar.**
- **The detection area differs according to the roads width. If the road is narrow the system may detect other vehicles in the next lane. In addition, if the road is very wide the system may not detect other vehicles.**
- **The system may turn off due to strong electromagnetic waves.**

Non-operating condition

Outside rearview mirror may not alert the driver when:

- The outside rearview mirror housing is damaged or covered with debris.
- The window is covered with debris.
- The windows are severely tinted.

DRIVER'S ATTENTION

The driver must be cautious in the below situations for the system may not detect other vehicles or objects in certain circumstances.

- **Curved roads, tollgates, etc.**
- **The surrounding of the radar is polluted with rain, snow, mud, etc**
- **The rear bumper near the radar is covered or hidden with a foreign matter such as a sticker, bumper guard, bicycle stand etc.**
- **The rear bumper is damaged or the radar is out of place.**
- **The height of the vehicle is altered such as when the trunk is loaded with heavy objects, or there is low tire pressure etc.**
- **Bad weather such as heavy rain or snow.**
- **A fixed object is near such as a guardrail, tunnel, human and animal etc.**

(Continued)

DEP
DEALER ePROCESS

(Continued)

- Metal substances are near the vehicles such as in a construction area.
- A big vehicle is near such as a bus or truck.
- A motorcycle or bicycle is near.
- A flat trailer is near.
- If the vehicle has started at the same time as the vehicle next to you and has accelerated.
- When the other vehicle passes by at a higher rate of speed.
- When changing lanes.
- When going down or up a steep road where the height of the lane is different.
- When the other vehicle drives very close.
- When a trailer or carrier is installed.
- When the temperature near the rear bumper area is high or low.
- When the radars are covered by a wall or a pillar of a parking lot.

(Continued)

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- When your vehicle is backing up, if the detected vehicle also backs up.
- Small objects like shopping carts and strollers.
- If there is a vehicle with decreased ride height (lowered).
- When the vehicle is close to another vehicle.
- When the vehicle in the next lane moves two lanes away from you OR when the vehicle two lanes away moves to the next lane from you.
- When driving through a narrow road with many trees or bushes.
- When driving on wet surface.

Information

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

DEP DEALER ePROCESS

AUTOMATIC EMERGENCY BRAKING (AEB) (IF EQUIPPED)

The Automatic Emergency Braking (AEB) system is designed to help detect and monitor the vehicle ahead or help detect a pedestrian in the roadway through radar signals and camera recognition to warn the driver that a collision is imminent, and if necessary, apply emergency braking.

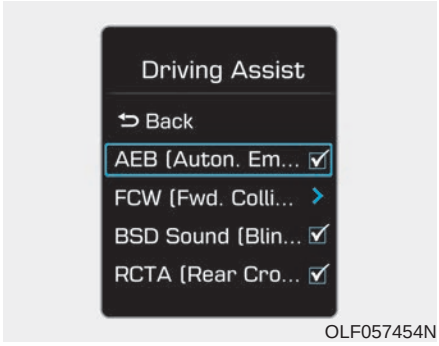
⚠ WARNING

Take the following precautions when using the Automatic Emergency Braking (AEB):

- **This system is only a supplemental system and it is not intended to, nor does it replace the need for extreme care and attention of the driver. The sensing range and objects detectable by the sensors are limited. Pay attention to the road conditions at all times.**
- **NEVER drive too fast in accordance with the road conditions or while cornering.**
- **Always drive cautiously to prevent unexpected and sudden situations from occurring. AEB does not stop the vehicle completely and is not a collision avoidance system.**

System setting and activation

System setting



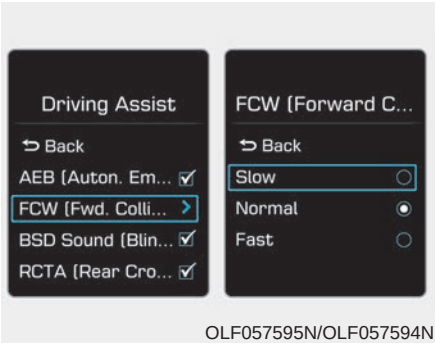
OLF057454N

The driver can activate the AEB by placing the ignition switch to the ON position and by selecting 'User Settings', 'Driving Assist', and 'AEB (Automatic Braking System)'. The AEB deactivates, when the driver cancels the system setting.

DEP
DEALER ePROCESS



The warning light illuminates on the LCD display, when you cancel the AEB system. The driver can monitor the AEB ON/OFF status on the LCD display. If the warning light remains ON when the AEB is activated, have the system checked by an authorized HYUNDAI dealer.



OLF057595N/OLF057594N

The driver can select the initial warning activation time in the User Settings in the Driver LCD display. The options for the initial Forward Collision Warning include the following:

- FAST - When this condition is selected, the initial Forward Collision Warning is activated earlier than normal. This setting maximizes the amount of distance between the vehicle or pedestrian ahead before the initial warning occurs.
- NORMAL - When this condition is selected, the initial Forward Collision Warning is activated normally. This setting allows for a nominal amount of distance between the vehicle or pedestrian ahead before the initial warning occurs.
- SLOW - When this condition is selected, the initial Forward Collision Warning is activated later than normal. This setting reduces the amount of distance between the vehicle or pedestrian ahead before the initial warning occurs.

DEP
DEALER ePROCESS

Prerequisite for activation

The AEB gets ready to be activated, when the AEB is selected on the LCD display, and when the following prerequisites are satisfied.

- The ESC is activated.
- To enable the system to detect pedestrians ahead, the vehicle driving speed must be between 5 - 40 mph (8 - 65 km/h).
- To enable the system to detect a vehicle ahead, the vehicle driving speed must be between 5 - 110 mph (8 - 180 km/h).

When traveling above 50 mph (80 km/h), the AEB system only initiates partial braking. This is to prevent unintended full braking to stop in the middle of the highway.

⚠ WARNING

- **The AEB automatically activates upon placing the ignition switch to the ON position. The driver can deactivate the AEB by canceling the system setting on the LCD display.**
- **The AEB automatically deactivates upon canceling the ESC. When the ESC is canceled, the AEB cannot be activated on the LCD display.**

AEB warning message and system control

The AEB produces warning messages and warning alarms in accordance with the collision risk levels. Also, it controls the brakes in accordance with the collision risk levels.

DEP
DEALER ePROCESS

Forward Warning (1st warning)



OLF057452N

This initial warning message appears on the LCD display with a warning chime.

The driver can select the initial warning activation time in the User Settings in the Driver LCD display. The options for the initial Forward Collision Warning include FAST, NORMAL, or SLOW initial warning time.

Collision Warning (2nd warning)



OLF057583N

- This warning message appears on the LCD display with a warning chime.
- Additionally, some vehicle system intervention occurs by the engine management system to help decelerate the vehicle.
 - If the detected vehicle in front is driving slower than 50 mph (80 km/h), your vehicle speed may decelerate sharply to avoid a collision. If the detected vehicle in front is driving faster than 50 mph (80 km/h), your vehicle speed may decelerate moderately.
 - If your vehicle is traveling less than 40 mph (65 km/h) and a pedestrian is detected within the Collision Warning (2nd warning) stage, your vehicle speed may decelerate sharply to avoid a collision.

DEP DEALER ePROCESS

Emergency braking (3rd warning)



OLF057584N

- This warning message appears on the LCD display with a warning alarm.
- Additionally, automatic emergency braking of the vehicle is applied in order to avoid a collision.
 - If your vehicle is traveling less than 40 mph (65 km/h) and a pedestrian is detected within the Emergency Braking stage, automatic emergency braking of the vehicle is applied. In this condition, your vehicle speed will decelerate sharply to avoid a collision.
 - When your vehicle drives slower than 40 mph (65 km/h) with a passer-by in front, the driving speed may abruptly decrease. When your vehicle drives faster than 40 mph (65 km/h) with a pedestrian in front, the AEB does not operate.

Brake operation

- In an urgent situation, the braking system enters into the ready status for prompt reaction against the driver's depressing the brake pedal.
- The AEB provides additional braking power for optimum braking performance, when the driver depresses the brake pedal.
- The braking control is automatically deactivated, when the driver sharply depresses the accelerator pedal, or when the driver abruptly operates the steering wheel.
- The braking control is automatically canceled, when risk factors disappear.

⚠ CAUTION

The driver should always use extreme caution while operating the vehicle, whether or not there is a warning message or alarm from the AEB system.

DEP
DEALER ePROCESS

⚠ WARNING

The braking control cannot completely stop the vehicle nor avoid all collisions. The driver should hold the responsibility to safely drive and control the vehicle.

⚠ WARNING

The AEB system logic operates within certain parameters, such as the distance from the vehicle or pedestrian ahead, the speed of the vehicle ahead, and the driver's vehicle speed. Certain conditions such as inclement weather and road conditions may affect the operation of the AEB system.

AEB front radar sensor


OLF057032N

In order for the AEB system to operate properly, always make sure the radar sensor lens cover is clean and free of dirt, snow, and debris. Dirt, snow, or foreign substances on the lens may adversely affect the sensing performance of the radar.

Warning message and warning light



OLF057599N

When the sensor lens cover is blocked with dirt, snow, or debris, the AEB system operation may stop temporarily. If this occurs, a warning message will appear on the LCD display. Remove any dirt, snow, or debris and clean the radar sensor lens cover before operating the AEB system.

DEP
DEALER ePROCESS

NOTICE

- **Do not apply foreign objects such as a bumper sticker or a bumper guard near the radar sensor. Doing so may adversely affect the sensing performance of the radar.**
- **Always keep the radar sensor and lens cover clean and free of dirt and debris.**
- **Use only a soft cloth to wash the vehicle. Do not spray pressurized water directly on the sensor or sensor cover.**
- **Be careful not to apply unnecessary force on the radar sensor or sensor cover. If the sensor is forcibly moved out of proper alignment, the AEB system may not operate correctly. In this case, a warning message may not be displayed. Have the vehicle inspected by an authorized HYUNDAI dealer.**

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- **If the front bumper becomes damaged in the area around the radar sensor, the AEB system may not operate properly. Have the vehicle inspected by an authorized HYUNDAI dealer.**
- **Use only genuine HYUNDAI parts to repair or replace a damaged sensor or sensor cover. Do not apply paint to the sensor cover.**

System malfunction



OLF057473N

- When the AEB is not working properly, the AEB warning light () will illuminate and the warning message will appear for a few seconds. After the message disappears, the master warning light () will illuminate. In this case, have the vehicle inspected by an authorized HYUNDAI dealer.
- The AEB warning message may appear along with the illumination of the ESC warning light.

DEP
DEALER ePROCESS

⚠ WARNING

- **The AEB is only a supplemental system for the driver's convenience. The driver should hold the responsibility to control the vehicle operation. Do not solely depend on the AEB system. Rather, maintain a safe braking distance, and, if necessary, depress the brake pedal to reduce the driving speed.**
- **In certain instances and under certain driving conditions, the AEB system may activate prematurely. This initial warning message appears on the LCD display with a warning chime.**

 Also, in certain instances the front radar sensor or camera recognition system may not detect the vehicle or pedestrian ahead. The AEB system may not activate and the warning message will not be displayed.

(Continued)

(Continued)

- **If there is a malfunction with the AEB system, the automatic emergency braking is not applied even though the braking system is operating normally.**
- **The AEB system operates only to help detect vehicles or pedestrians in front of the vehicle.**

 The AEB system does not operate when the vehicle is in reverse.

 The AEB system is not designed to detect other objects on the road such as animals.

 The AEB system does not detect cross traffic vehicles that are approaching.

 The AEB system cannot detect the driver approaching the side view of a parked vehicle (for example on a dead end street.)

(Continued)

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In these cases, you must maintain a safe braking distance, and if necessary, depress the brake pedal to reduce the driving speed in order to maintain a safe distance.

DEP DEALER ePROCESS

Limitations of the system

The Automatic Emergency Braking (AEB) system is designed to help monitor the vehicle ahead or a pedestrian in the roadway through radar signals and camera recognition to warn the driver that a collision is imminent, and if necessary, apply emergency braking.

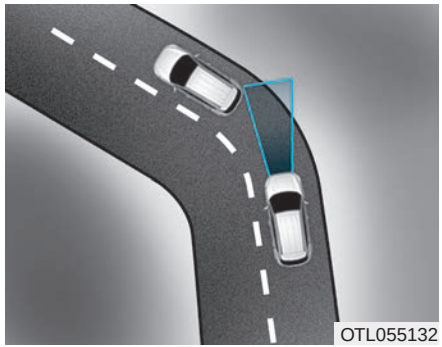
In certain situations, the radar sensor or the camera may not be able to detect the vehicle or pedestrian ahead. In these cases, the AEB system may not operate normally. The driver must pay careful attention in the following situations where the AEB operation may be limited.

Detecting vehicles

The sensor may be limited when:

- The radar sensor or camera is blocked with a foreign object or debris
- Inclement weather such as heavy rain or snow obscures the field of view of the radar sensor or camera
- There is interference by electromagnetic waves
- There is severe irregular reflection from the radar sensor
- The vehicle in front is too small to be detected by the camera recognition system (for example a motorcycle or a bicycle, etc.)
- The vehicle in front is an oversize vehicle or trailer that is too big to be detected by the camera recognition system (for example a tractor trailer, etc.)
- The driver's field of view is not well illuminated (either too dark or too much reflection or too much backlight that obscures the field of view)
- The vehicle in front does not have their rear lights properly turned ON
- The outside brightness changes suddenly, for example when entering or exiting a tunnel
- The vehicle in front is driving erratically

DEP
DEALER ePROCESS


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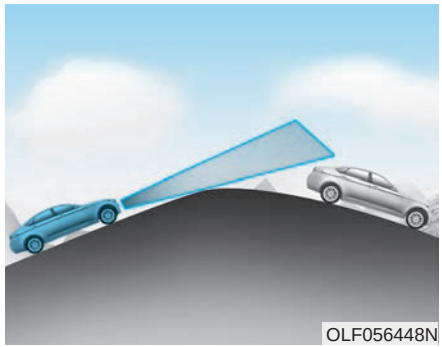
- Driving on a curve

The performance of the AEB system may be limited when driving on a curved road.

In certain instances on a curved road, the AEB system may activate prematurely.

Also, in certain instances the front radar sensor or camera recognition system may not detect the vehicle traveling on a curved road.

In these cases, the driver must maintain a safe braking distance, and if necessary, depress the brake pedal to reduce your driving speed in order to maintain a safe distance.


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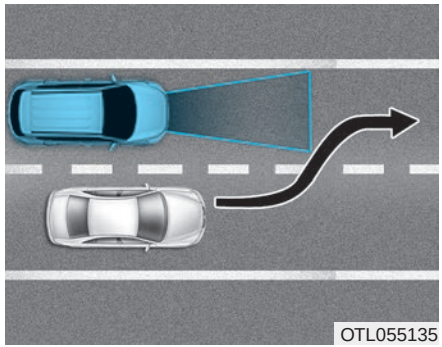
- Driving on a slope

The performance of the AEB decreases while driving upward or downward on a slope, not recognizing the vehicle in front in the same lane. It may unnecessarily produce the warning message and the warning alarm, or it may not produce the warning message and the warning alarm at all.

When the AEB suddenly recognizes the vehicle in front while passing over a slope, you may experience sharp deceleration.

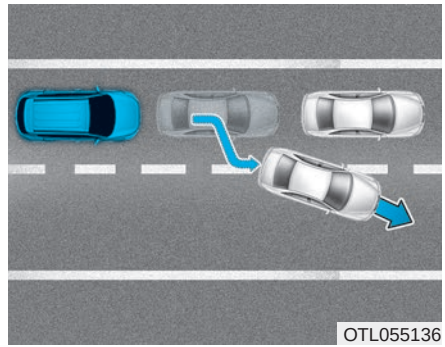
Always keep your eyes forward while driving upward or downward on a slope, and, if necessary, depress the brake pedal to reduce your driving speed in order to maintain distance.

DEP
DEALER ePROCESS

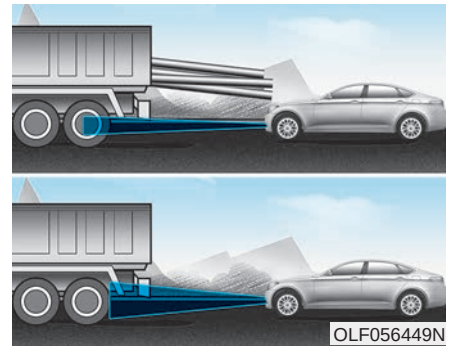


- Changing lanes

When a vehicle changes lanes in front of you, the AEB system may not immediately detect the vehicle, especially if the vehicle changes lanes abruptly. In this case, you must maintain a safe braking distance, and if necessary, depress the brake pedal to reduce your driving speed in order to maintain a safe distance.



When driving in stop-and-go traffic, and a stopped vehicle in front of you merges out of the lane, the AEB system may not immediately detect the new vehicle that is now in front of you. In this case, you must maintain a safe braking distance, and if necessary, depress the brake pedal to reduce your driving speed in order to maintain a safe distance.



- Detecting the vehicle in front of you

If the vehicle in front of you has cargo that extends rearward from the cab, or when the vehicle in front of you has higher ground clearance, additional special attention is required. The AEB system may not be able to detect the cargo extending from the vehicle. In these instances, you must maintain a safe braking distance from the rearmost object, and if necessary, depress the brake pedal to reduce your driving speed in order to maintain distance.

DEP
DEALER ePROCESS

Detecting pedestrians

The sensor may be limited when:

- The pedestrian is not fully detected by the camera recognition system, for example, if the pedestrian is leaning over or is not fully walking upright
- The pedestrian is moving very quickly or appears abruptly in the camera detection area

 The pedestrian is wearing clothing that easily blends into the background, making it difficult to be detected by the camera recognition system
- The outside lighting is too bright (e.g. when driving in bright sunlight or in sun glare) or too dark (e.g. when driving on a dark rural road at night)
- It is difficult to detect and distinguish the pedestrian from other objects in the surroundings, for example, when there is a group of pedestrians or a large crowd

⚠ WARNING

- **Do not use the Automatic Emergency Braking system when towing a vehicle. Application of the AEB system while towing may adversely affect the safety of your vehicle or the towing vehicle**
- **Use extreme caution when the vehicle in front of you has cargo that extends rearward from the cab, or when the vehicle in front of you has higher ground clearance.**
- **The AEB system is designed to help detect and monitor the vehicle ahead or detect a pedestrian in the roadway through radar signals and camera recognition. It is not designed to detect bicycles, motorcycles, or smaller wheeled objects such as luggage bags, shopping carts, or strollers.**
- **Never try to test the operation of the AEB system. Doing so may cause severe injury or death.**

ⓘ Information

In some instances, the AEB system may be cancelled when subjected to electromagnetic interference.

ⓘ Information

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. **This device may not cause harmful interference, and**
2. **This device must accept any interference received, including interference that may cause undesired operation.**

DEP DEALER ePROCESS

SPECIAL DRIVING CONDITIONS

Hazardous Driving Conditions

When hazardous driving conditions are encountered such as water, snow, ice, mud or sand:

Drive cautiously and allow extra distance for braking.

Avoid sudden movements in braking or steering.

If stuck in snow, mud, or sand, use second gear. Accelerate slowly to avoid spinning the drive wheels.

⚠ WARNING

Downshifting with an automatic transmission while driving on slippery surfaces can cause an accident. The sudden change in tire speed could cause the tires to skid. Be careful when downshifting on slippery surfaces.

Use sand, rock salt, or other non-slip material under the drive wheels to provide traction when stuck in ice, snow, or mud.

Rocking the Vehicle

If it is necessary to rock the vehicle to free it from snow, sand, or mud, first turn the steering wheel right and left to clear the area around your front wheels. Then, shift back and forth between R (Reverse) and a forward gear.

Try to avoid spinning the wheels, and do not race the engine.

To prevent transmission wear, wait until the wheels stop spinning before shifting gears. Release the accelerator pedal while shifting, and press lightly on the accelerator pedal while the transmission is in gear. Slowly spinning the wheels in forward and reverse directions causes a rocking motion that may free the vehicle.

NOTICE

If the tires spin at high speed the tires can explode, and you or others may be injured. Do not attempt this procedure if people or objects are anywhere near the vehicle.

The vehicle can overheat causing an engine compartment fire or other damage. Spin the wheels as little as possible and avoid spinning the wheels at speeds over 35 mph (56 km/h) as indicated on the speedometer.

DEP
DEALER ePROCESS

NOTICE

If you are still stuck after rocking the vehicle a few times, have the vehicle pulled out by a tow vehicle to avoid engine overheating, possible damage to the transmission, and tire damage. See "Towing" in chapter 6.

To prevent damage to the transmission, turn OFF the ESC prior to rocking the vehicle.

Smooth Cornering

Avoid braking or gear changing in corners, especially when roads are wet. Ideally, corners should always be taken under gentle acceleration.

Driving at Night

Night driving presents more hazards than driving in the daylight. Here are some important tips to remember:

- Slow down and keep more distance between you and other vehicles, as it may be more difficult to see at night, especially in areas where there may not be any street lights.
- Adjust your mirrors to reduce the glare from other driver's headlamps.
- Keep your headlamps clean and properly aimed. Dirty or improperly aimed headlamps will make it much more difficult to see at night.
- Avoid staring directly at the headlamps of oncoming vehicles. You could be temporarily blinded, and it will take several seconds for your eyes to readjust to the darkness.

DEP DEALER ePROCESS

Driving in the Rain

Rain and wet roads can make driving dangerous. Here are a few things to consider when driving in the rain or on slick pavement:

- Slow down and allow extra following distance. A heavy rainfall makes it harder to see and increases the distance needed to stop your vehicle.
- Turn OFF your Cruise Control. (if equipped)
- Replace your windshield wiper blades when they show signs of streaking or missing areas on the windshield.
- Be sure your tires have enough tread. If your tires do not have enough tread, making a quick stop on wet pavement can cause a skid and possibly lead to an accident.

 Refer to "Tire Tread" in chapter 7.
- Turn on your headlamps to make it easier for others to see you.
- Driving too fast through large puddles can affect your brakes. If you must go through puddles, try to drive through them slowly.
- If you believe your brakes may be wet, apply them lightly while driving until normal braking operation returns.

Hydroplaning

If the road is wet enough and you are going fast enough, your vehicle may have little or no contact with the road surface and actually ride on the water. The best advice is SLOW DOWN when the road is wet. The risk of hydroplaning increases as the depth of tire tread decreases. **(Refer to "Tire Tread" in chapter 7.)**

Driving in Flooded Areas

Avoid driving through flooded areas unless you are sure the water is no higher than the bottom of the wheel hub. Drive through any water slowly. Allow adequate stopping distance because brake performance may be reduced.

After driving through water, dry the brakes by gently applying them several times while the vehicle is moving slowly.

DEP
DEALER ePROCESS

WINTER DRIVING

Snow or Icy Conditions

You need to keep sufficient distance between your vehicle and the vehicle in front of you.

Apply the brakes gently. Speeding, rapid acceleration, sudden brake applications, and sharp turns are potentially very hazardous practices. During deceleration, use engine braking to the fullest extent. Sudden brake applications on snowy or icy roads may cause skids to occur.

To drive your vehicle in deep snow, it may be necessary to use snow tires or to install tire chains on your tires.

Always carry emergency equipment. Some of the items you may want to carry include tire chains, tow straps or chains, a flashlight, emergency flares, sand, a shovel, jumper cables, a window scraper, gloves, ground cloth, coveralls, a blanket, etc.

Snow tires

⚠ WARNING

Snow tires should be equivalent in size and type to the vehicle's standard tires. Otherwise, the safety and handling of your vehicle may be adversely affected.

If you mount snow tires on your vehicle, make sure to use radial tires of the same size and load range as the original tires. Mount snow tires on all four wheels to balance your vehicle's handling in all weather conditions. The traction provided by snow tires on dry roads may not be as high as your vehicle's original equipment tires. Check with the tire dealer for maximum speed recommendations.

i Information

Do not install studded tires without first checking local, state and municipal regulations for possible restrictions against their use.

Tire chains



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Since the sidewalls of radial tires are thinner than other types of tires, they may be damaged by mounting some types of tire chains on them. Therefore, the use of snow tires is recommended instead of tire chains. Do not mount tire chains on vehicles equipped with aluminum wheels; if unavoidable use a wire type chain. If tire chains must be used, use genuine HYUNDAI parts and install the tire chain after reviewing the instructions provided with the tire chains. Damage to your vehicle caused by improper tire chain use is not covered by your vehicle manufacturer's warranty.

DEP DEALER ePROCESS

⚠ WARNING

The use of tire chains may adversely affect vehicle handling:

- **Drive less than 20 mph (30 km/h) or the chain manufacturer's recommended speed limit, whichever is lower.**
- **Drive carefully and avoid bumps, holes, sharp turns, and other road hazards, which may cause the vehicle to bounce.**
- **Avoid sharp turns or locked wheel braking.**

Information

- **Install tire chains on the front tires. It should be noted that installing tire chains on the tires will provide a greater driving force, but will not prevent side skids.**
- **Do not install studded tires without first checking local, state and municipal regulations for possible restrictions against their use.**

Chain installation

When installing tire chains, follow the manufacturer's instructions and mount them as tightly possible. Drive slowly (less than 20 mph (30 km/h)) with chains installed. If you hear the chains contacting the body or chassis, stop and tighten them. If they still make contact, slow down until the noise stops. Remove the tire chains as soon as you begin driving on cleared roads.

When mounting snow chains, park the vehicle on level ground away from traffic. Turn on the vehicle Hazard Warning Flasher and place a triangular emergency warning device behind the vehicle (if available). Always place the vehicle in P (Park), apply the parking brake and turn off the engine before installing snow chains.

DEP
DEALER ePROCESS

NOTICE

- When using tire chains:

- **Wrong size chains or improperly installed chains can damage your vehicle's brake lines, suspension, body and wheels.**
- **Use SAE "S" class or wire chains.**
- **If you hear noise caused by chains contacting the body, retighten the chain to prevent contact with the vehicle body.**
- **To prevent body damage, retighten the chains after driving 0.3~0.6 miles (0.5~1.0 km).**
- **Do not use tire chains on vehicles equipped with aluminum wheels. If unavoidable, use a wire type chain.**
- **Use wire chains less than 0.47 inch (12 mm) wide to prevent damage to the chain's connection.**

Winter Precautions

Use high quality ethylene glycol coolant

Your vehicle is delivered with high quality ethylene glycol coolant in the cooling system. It is the only type of coolant that should be used because it helps prevent corrosion in the cooling system, lubricates the water pump and prevents freezing. Be sure to replace or replenish your coolant in accordance with the maintenance schedule in chapter 7. Before winter, have your coolant tested to assure that its freezing point is sufficient for the temperatures anticipated during the winter.

Change to "winter weight" oil if necessary

In some climates it is recommended that a lower viscosity "winter weight" oil be used during cold weather. See chapter 8 for recommendations. If you aren't sure what weight oil you should use, consult an authorized HYUNDAI dealer.

Check battery and cables

Winter puts additional burdens on the battery system. Visually inspect the battery and cables as described in chapter 7. The level of charge in your battery can be checked by an authorized HYUNDAI dealer or a service station.

DEP DEALER ePROCESS

Check spark plugs and ignition system

Inspect your spark plugs as described in chapter 7 and replace them if necessary. Also check all ignition wiring and components to be sure they are not cracked, worn or damaged in any way.

Use approved window washer anti-freeze in system

To keep the water in the window washer system from freezing, add an approved window washer anti-freeze solution in accordance with instructions on the container. Window washer anti-freeze is available from an authorized HYUNDAI dealer and most auto parts outlets. Do not use engine coolant or other types of anti-freeze as these may damage the paint finish.

Do not let your parking brake freeze

Under some conditions your parking brake can freeze in the engaged position. This is most likely to happen when there is an accumulation of snow or ice around or near the rear brakes or if the brakes are wet. If there is a risk the parking brake may freeze, apply it only temporarily while you put the gear selector lever in P and block the rear wheels so the car cannot roll. Then release the parking brake.

Do not let ice and snow accumulate underneath

Under some conditions, snow and ice can build up under the fenders and interfere with the steering. When driving in severe winter conditions where this may happen, you should periodically check underneath the car to be sure the movement of the front wheels and the steering components is not obstructed.

Don't place foreign objects or materials in the engine compartment

Placement of foreign object or materials which prevent cooling of the engine, in the engine compartment, may cause a failure or combustion. The manufacturer is not responsible for the damage caused by such placement.

To keep locks from freezing

To keep the locks from freezing, squirt an approved de-icer fluid or glycerine into the key opening. If a lock is covered with ice, squirt it with an approved de-icing fluid to remove the ice. If the lock is frozen internally, you may be able to thaw it out by using a heated key. Handle the heated key with care to avoid injury.

DEP
DEALER ePROCESS

VEHICLE LOAD LIMIT

Two labels on your driver's door sill show how much weight your vehicle was designed to carry: the Tire and Loading Information Label and the Certification Label.

Before loading your vehicle, familiarize yourself with the following terms for determining your vehicle's weight ratings, from the vehicle's specifications and the Certification Label:

Base Curb Weight

This is the weight of the vehicle including a full tank of fuel and all standard equipment. It does not include passengers, cargo, or optional equipment.

Vehicle Curb Weight

This is the weight of your new vehicle when you picked it up from your dealer plus any aftermarket equipment.

Cargo Weight

This figure includes all weight added to the Base Curb Weight, including cargo and optional equipment.

GAW (Gross Axle Weight)

This is the total weight placed on each axle (front and rear) - including vehicle curb weight and all payload.

GAWR (Gross Axle Weight Rating)

This is the maximum allowable weight that can be carried by a single axle (front or rear). These numbers are shown on the Certification Label. The total load on each axle must never exceed its GAWR.

GVW (Gross Vehicle Weight)

This is the Base Curb Weight plus actual Cargo Weight plus passengers.

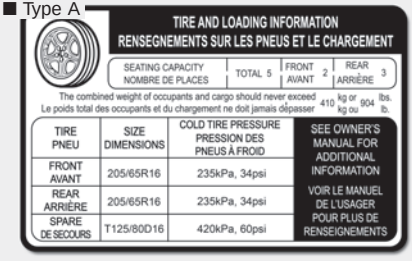
GVWR (Gross Vehicle Weight Rating)

This is the maximum allowable weight of the fully loaded vehicle (including all options, equipment, passengers and cargo). The GVWR is shown on the Certification Label located on the driver's door sill.

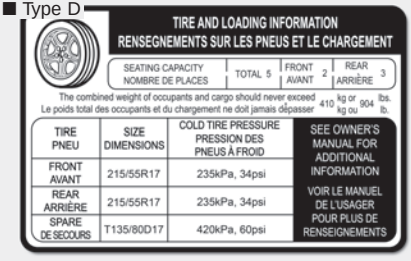
DEP DEALER ePROCESS

Tire Loading Information Label

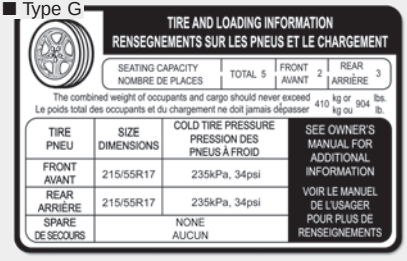
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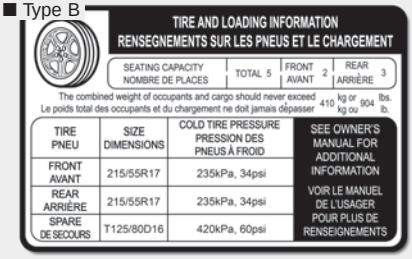
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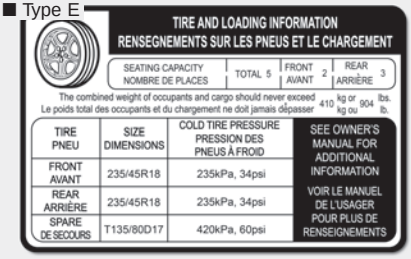
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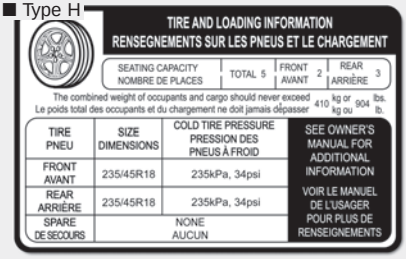
■ Type B



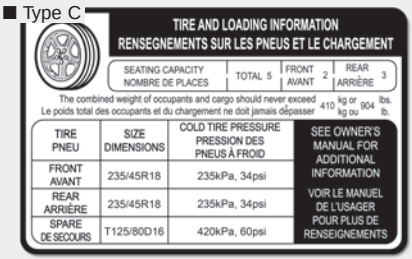
■ Type E



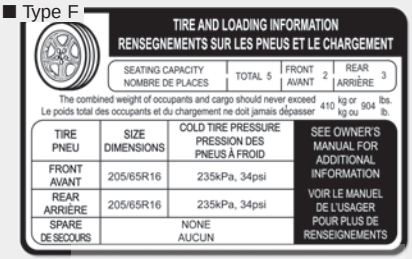
■ Type H



■ Type C



■ Type F



OLF054233N/OLF054234N/OLF054235N
OLF054236N/OLF054237N/OLF054451N
OLF054452N/OLF054453N

The label located on the driver's door sill gives the original tire size, cold tire pressures recommended for your vehicle, the number of people that can be in your vehicle and vehicle capacity weight.

DEP
DEALER ePROCESS

Vehicle capacity weight

904 lbs. (410 kg)

Vehicle capacity weight is the maximum combined weight of occupants and cargo. If your vehicle is equipped with a trailer, the combined weight includes the tongue load.

Seating capacity

Total : 5 persons
(Front seat : 2 persons,
Rear seat : 3 persons)

Seating capacity is the maximum number of occupants including a driver, your vehicle may carry. However, the seating capacity may be reduced based upon the weight of all of the occupants, and the weight of the cargo being carried or towed. Do not overload the vehicle as there is a limit to the total weight, or load limit including occupants and cargo, the vehicle can carry.

Towing capacity

We do not recommend using this vehicle for trailer towing.

Cargo capacity

The cargo capacity of your vehicle will increase or decrease depending on the weight and the number of occupants and the tongue load, if your vehicle is equipped with a trailer.

Steps for determining correct load limit

1. Locate the statement "The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs." on your vehicle's placard.
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1400 lbs. and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 - 750 (5 x 150) = 650 lbs.)
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.
6. If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

⚠ WARNING

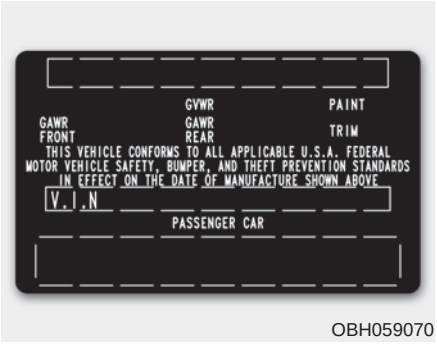
Do not overload the vehicle as there is a limit to the total weight, or load limit, including occupants and cargo, the vehicle can carry. Overloading can shorten the life of the vehicle. If the GVWR or the GAWR is exceeded, parts on the vehicle can break, and it can change the handling of your vehicle. These could cause you to lose control and result in an accident.

DEP
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Example 1	Vehicle Capacity	≥		+	
	Maximum Load (1400 lbs.) (635 kg)		Passenger Weight (150 lbs. × 2 = 300 lbs.) (68 kg × 2 = 136 kg)		Cargo Weight (1100 lbs.) (499 kg)
Example 2	Vehicle Capacity	≥		+	
	Maximum Load (1400 lbs.) (635 kg)		Passenger Weight (150 lbs. × 5 = 750 lbs.) (68 kg × 5 = 340 kg)		Cargo Weight (650 lbs.) (295 kg)
Example 3	Vehicle Capacity	≥		+	
	Maximum Load (1400 lbs.) (635 kg)		Passenger Weight (172 lbs. × 5 = 860 lbs.) (78 kg × 5 = 390 kg)		Cargo Weight (540 lbs.) (245 kg)

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DEALER ePROCESS

Certification label



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The certification label is located on the driver's door sill at the center pillar and shows the maximum allowable weight of the fully loaded vehicle. This is called the GVWR (Gross Vehicle Weight Rating). The GVWR includes the weight of the vehicle, all occupants, fuel and cargo.

This label also tells you the maximum weight that can be supported by the front and rear axles, called Gross Axle Weight Rating (GAWR).

The total weight of the vehicle, including all occupants, accessories, cargo, and trailer tongue load must not exceed the Gross Vehicle Weight Rating (GVWR) or the Gross Axle Weight Rating (GAWR). To find out the actual loads on your front and rear axles, you need to go to a weigh station and weigh your vehicle. Be sure to spread out your load equally on both sides of the centerline.

⚠ WARNING

Overloading

- **Never exceed the GVWR for your vehicle, the GAWR for either the front or rear axle and vehicle capacity weight. Exceeding these ratings can affect your vehicle's handling and braking ability, and cause an accident.**
- **Do not overload your vehicle. Overloading your vehicle can cause heat buildup in your vehicle's tires and possible tire failure, increased stopping distances and poor vehicle handling-all of which may result in a crash.**

DEP DEALER ePROCESS

NOTICE

Overloading your vehicle may cause damage. Repairs would not be covered by your warranty. Do not overload your vehicle.

⚠ WARNING

If you carry items inside your vehicle (e.g., suitcases, tools, packages, or anything else), they are moving as fast as the vehicle. If you have to stop or turn quickly, or if there is a crash, the items will keep going and can cause an injury if they strike the driver or a passenger.

- **Put items in the cargo area of your vehicle. Try to spread the weight evenly.**
- **Do not stack items, like suitcases, inside the vehicle above the tops of the seats.**
- **Do not leave an unsecured child restraint in your vehicle.**
- **When you carry something inside the vehicle, secure it.**

TRAILER TOWING

We do not recommend using this vehicle for trailer towing.

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DEALER ePROCESS

What to do in an emergency

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If the Engine Stalls While Driving 6-2
If the Engine Stalls at a Crossroad or Crossing.....6-2
If you Have a Flat Tire While Driving 6-3
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HAZARD WARNING FLASHER


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The hazard warning flasher serves as a warning to other drivers to exercise extreme caution when approaching, overtaking, or passing your vehicle.

It should be used whenever emergency repairs are being made or when the vehicle is stopped near the edge of a roadway.

To turn the hazard warning flasher on or off, press the hazard warning flasher button with the ignition switch in any position. The button is located in the center fascia panel. All turn signal lights will flash simultaneously.

- The hazard warning flasher operates whether your vehicle is running or not.
- The turn signals do not work when the hazard flasher is on.

IN CASE OF AN EMERGENCY WHILE DRIVING

If the Engine Stalls While Driving

- Reduce your speed gradually, keeping a straight line. Move cautiously off the road to a safe place.
- Turn on your hazard warning flasher.
- Try to start the engine again. If your vehicle will not start, contact an authorized HYUNDAI dealer or seek other qualified assistance.

If the Engine Stalls at a Crossroad or Crossing

If the engine stalls at a crossroad or crossing, if safe to do so, move the shift lever to the N (Neutral) position and then push the vehicle to a safe location.

DEP DEALER ePROCESS

If you Have a Flat Tire While Driving

If a tire goes flat while you are driving:

- Take your foot off the accelerator pedal and let the vehicle slow down while driving straight ahead. Do not apply the brakes immediately or attempt to pull off the road as this may cause loss of vehicle control resulting in an accident. When the vehicle has slowed to such a speed that it is safe to do so, brake carefully and pull off the road. Drive off the road as far as possible and park on firm, level ground. If you are on a divided highway, do not park in the median area between the two traffic lanes.
- When the vehicle is stopped, press the hazard warning flasher button, move the shift lever into P(Park), and apply the parking brake, and place the ignition switch in the LOCK/OFF position.
- Have all passengers get out of the vehicle. Be sure they all get out on the side of the vehicle that is away from traffic.
- When changing a flat tire, follow the instructions provided later in this chapter.

IF THE ENGINE WILL NOT START

If the Engine Doesn't Turn Over or Turns Over Slowly

- Be sure the shift lever is in N (Neutral) or P (Park). The engine starts only when the shift lever is in N (Neutral) or P (Park).
- Check the battery connections to be sure they are clean and tight.
- Turn on the interior light. If the light dims or goes out when you operate the starter, the battery is drained.

Do not push or pull the vehicle to start it. This could cause damage to your vehicle. See instructions for "Jump Starting" provided in this chapter.

⚠ CAUTION

Push or pull starting the vehicle may cause the catalytic converter to overload which can lead to damage to the emission control system.

If the Engine Turns Over Normally but Doesn't Start

Check the fuel level and add fuel if necessary.

If the engine still does not start, have your vehicle checked by an authorized HYUNDAI dealer.

DEP DEALER ePROCESS

JUMP STARTING

Jump starting can be dangerous if done incorrectly. Follow the jump starting procedure in this section to avoid serious injury or damage to your vehicle. If in doubt about how to properly jump start your vehicle, we strongly recommend that you have a service technician or towing service do it for you.

⚠ WARNING

To prevent SERIOUS INJURY or DEATH to you or bystanders, always follow these precautions when working near or handling the battery:



Always read and follow instructions carefully when handling a battery.



Wear eye protection designed to protect the eyes from acid splashes.



Keep all flames, sparks, or smoking materials away from the battery.



Hydrogen is always present in battery cells, is highly combustible, and may explode if ignited.



Keep batteries out of reach of children.

(Continued)

(Continued)



Batteries contain sulfuric acid which is highly corrosive. Do not allow acid to contact your eyes, skin or clothing.

If acid gets into your eyes, flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If acid gets on your skin, thoroughly wash the area. If you feel pain or a burning sensation, get medical attention immediately.

- **When lifting a plastic-cased battery, excessive pressure on the case may cause battery acid to leak. Lift with a battery carrier or with your hands on opposite corners.**
- **Do not attempt to jump start your vehicle if your battery is frozen.**

(Continued)

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(Continued)

- **NEVER attempt to recharge the battery when the vehicle's battery cables are connected to the battery.**
- **The electrical ignition system works with high voltage. NEVER touch these components with the engine running or when the ignition switch is in the ON position.**

Information



An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) or regulations.

NOTICE

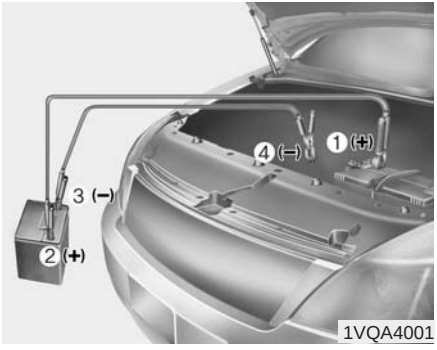
To prevent damage to your vehicle:

- **Only use a 12-volt power supply (battery or jumper system) to jump start your vehicle.**
- **Do not attempt to jump start your vehicle by push-starting.**

Jump starting procedure

1. Position the vehicles close enough that the jumper cables will reach, but do not allow the vehicles to touch.
2. Avoid fans or any moving parts in the engine compartment at all times, even when the vehicles are turned off.
3. Turn off all electrical devices such as radios, lights, air conditioning, etc. Put the vehicles in P (Park) and set the parking brakes. Turn both vehicles OFF.

DEP
DEALER ePROCESS



4. Connect the jumper cables in the exact sequence shown in the illustration. First connect one jumper cable to the red, positive (+) jumper terminal of your vehicle (1).
5. Connect the other end of the jumper cable to the red, positive (+) battery/jumper terminal of the assisting vehicle (2).
6. Connect the second jumper cable to the black, negative (-) battery/chassis ground of the assisting vehicle (3).
7. Connect the other end of the second jumper cable to the black, negative (-) chassis ground of your vehicle (4).

 Do not allow the jumper cables to contact anything except the correct battery or jumper terminals or the correct ground. Do not lean over the battery when making connections.
8. Start the engine of the assisting vehicle and let it run at approximately 2,000 rpm for a few minutes. Then start your vehicle.

If your vehicle will not start after a few attempts, it probably requires servicing. In this event please seek qualified assistance. If the cause of your battery discharging is not apparent, have your vehicle checked by an authorized HYUNDAI dealer.

Disconnect the jumper cables in the exact reverse order you connected them:

1. Disconnect the jumper cable from the black, negative (-) chassis ground of your vehicle (4).
2. Disconnect the other end of the jumper cable from the black, negative (-) battery/chassis ground of the assisting vehicle (3).
3. Disconnect the second jumper cable from the red, positive (+) battery/jumper terminal of the assisting vehicle (2).
4. Disconnect the other end of the jumper cable from the red, positive (+) jumper terminal of your vehicle (1).

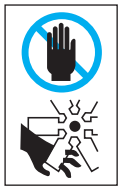
DEP
DEALER ePROCESS

IF THE ENGINE OVERHEATS

If your temperature gauge indicates overheating, you experience a loss of power, or hear loud pinging or knocking, the engine may be overheating. If this happens, you should:

1. Pull off the road and stop as soon as it is safe to do so.
2. Place the shift lever in P (Park) and set the parking brake. If the air conditioning is ON, turn it OFF.
3. If engine coolant is running out under the vehicle or steam is coming out from the hood, stop the engine. Do not open the hood until the coolant has stopped running or the steaming has stopped. If there is no visible loss of engine coolant and no steam, leave the engine running and check to be sure the engine cooling fan is operating. If the fan is not running, turn the engine off.

⚠ WARNING



While the engine is running, keep hands, clothing and tools away from the moving parts such as the cooling fan and drive belt to prevent serious injury.

4. Check for coolant leaking from the radiator, hoses or under the vehicle. (If the air conditioning had been in use, it is normal for cold water to be draining from it when you stop.)
5. If engine coolant is leaking out, stop the engine immediately and call the nearest authorized HYUNDAI dealer for assistance.

DEP
DEALER ePROCESS

⚠ WARNING



NEVER remove the radiator cap or the drain plug while the engine and radiator are hot. Hot coolant and steam may blow out under pressure, causing serious injury.

Turn the engine off and wait until the engine cools down. Use extreme care when removing the radiator cap. Wrap a thick towel around it, and turn it counterclockwise slowly to the first stop. Step back while the pressure is released from the cooling system. When you are sure all the pressure has been released, press down on the cap, using a thick towel, and continue turning counterclockwise to remove it.

6. If you cannot find the cause of the overheating, wait until the engine temperature has returned to normal. Then, if coolant has been lost, carefully add coolant to the reservoir to bring the fluid level in the reservoir up to the halfway mark.
7. Proceed with caution, keeping alert for further signs of overheating. If overheating happens again, call an authorized HYUNDAI dealer for assistance.

⚠ CAUTION

Serious loss of coolant indicates a leak in the cooling system and should be checked as soon as possible by an authorized HYUNDAI dealer.

DEP DEALER ePROCESS

TIRE PRESSURE MONITORING SYSTEM (TPMS)



(1) Low Tire Pressure Telltale/TPMS Malfunction Indicator

(2) Low Tire Pressure Position Telltale and Tire Pressure Telltale (Shown on the LCD display)

Check Tire Pressure



- You can check the tire pressure in the Information Mode on the cluster.

 Refer to the "User Settings Mode" section in chapter 3.
- Tire pressure is displayed after a few minutes of driving after initial engine start up.
- If tire pressure is not displayed when the vehicle is stopped, "Drive to display" message will appear. After driving, check the tire pressure.
- The displayed tire pressure values may differ from those measured with a tire pressure gauge.
- You can change the tire pressure unit in the User Settings Mode on the cluster.
 - psi, kpa, bar **(Refer to the "User Settings Mode" section in chapter 3)**.

DEP
DEALER ePROCESS

Tire Pressure Monitoring System

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure.

Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists.

When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly.

Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

DEP
DEALER ePROCESS

NOTICE

If any of the below happens, have the system checked by an authorized HYUNDAI dealer.

1. **The Low Tire Pressure Telltale/ TPMS Malfunction Indicator does not illuminate for 3 seconds when the ignition switch is placed to the ON position or engine is running.**
2. **The TPMS Malfunction Indicator remains illuminated after blinking for approximately 1 minute.**
3. **The Low Tire Pressure Position Telltale remains illuminated.**

Low Tire Pressure Telltale



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Low Tire Pressure Position and Tire Pressure Telltale

When the tire pressure monitoring system warning indicators are illuminated and warning message displayed on the cluster LCD display, one or more of your tires is significantly under-inflated. The Low Tire Pressure Position Telltale will indicate which tire is significantly under-inflated by illuminating the corresponding position light.

If either telltale illuminates, immediately reduce your speed, avoid hard cornering and anticipate increased stopping distances. You should stop and check your tires as soon as possible. Inflate the tires to the proper pressure as indicated on the vehicle's placard or tire inflation pressure label located on the driver's side center pillar outer panel.

If you cannot reach a service station or if the tire cannot hold the newly added air, replace the low pressure tire with the spare tire.

The Low Tire Pressure Telltale will remain on and the TPMS Malfunction Indicator may blink for one minute and then remain illuminated (when the vehicle is driven approximately 20 minutes at speed above 15.5 mph (25 km/h)) until you have the low pressure tire repaired and replaced on the vehicle.

Information

The spare tire is not equipped with a tire pressure sensor.

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DEALER ePROCESS

⚠ CAUTION

In winter or cold weather, the Low Tire Pressure Telltale may be illuminated if the tire pressure was adjusted to the recommended tire inflation pressure in warm weather. It does not mean your TPMS is malfunctioning because the decreased temperature leads to a proportional lowering of tire pressure.

When you drive your vehicle from a warm area to a cold area or from a cold area to a warm area, or the outside temperature is greatly higher or lower, you should check the tire inflation pressure and adjust the tires to the recommended tire inflation pressure.

⚠ WARNING

Low pressure damage

Significantly low tire pressure makes the vehicle unstable and can contribute to loss of vehicle control and increased braking distances.

Continued driving on low pressure tires can cause the tires to overheat and fail.



TPMS (Tire Pressure Monitoring System) Malfunction Indicator

The TPMS Malfunction Indicator will illuminate after it blinks for approximately one minute when there is a problem with the Tire Pressure Monitoring System.

Have the system checked by an authorized HYUNDAI dealer as soon as possible.

NOTICE

If there is a malfunction with the TPMS, the Low Tire Pressure Position Telltale will not be displayed even though the vehicle has an under-inflated tire.

DEP DEALER ePROCESS

NOTICE

The TPMS Malfunction Indicator may illuminate after blinking for one minute if the vehicle is near electric power supply cables or radio transmitters such as police stations, government and public offices, broadcasting stations, military installations, airports, transmitting towers, etc.

Additionally, the TPMS Malfunction Indicator may illuminate if snow chains are used or electronic devices such as computers, chargers, remote starters, navigation, etc. This may interfere with normal operation of the TPMS.

Changing a Tire with TPMS

If you have a flat tire, the Low Tire Pressure and Position telltales will come on. Have the flat tire repaired by an authorized HYUNDAI dealer as soon as possible or replace the flat tire with the spare tire.

⚠ CAUTION

Never use a puncture-repairing agent not approved by HYUNDAI dealer to repair and/or inflate a low pressure tire. Tire sealant not approved by HYUNDAI dealer may damage the tire pressure sensor.

The spare tire (if equipped) does not come with a tire pressure monitoring sensor. When the low pressure tire or the flat tire is replaced with the spare tire, the Low Tire Pressure Telltale will remain on. Also, the TPMS Malfunction Indicator will illuminate after blinking for one minute if the vehicle is driven at speed above 15.5 mph (25 km/h) for approximately 20 minutes.

Once the original tire equipped with a tire pressure monitoring sensor is reinflated to the recommended pressure and reinstalled on the vehicle, the Low Tire Pressure Telltale and TPMS Malfunction Indicator will go off within a few minutes of driving.

If the indicators do not extinguish after a few minutes, please visit an authorized HYUNDAI dealer.

Each wheel is equipped with a tire pressure sensor mounted inside the tire behind the valve stem (except for the spare tire). You must use TPMS specific wheels. It is recommended that you always have your tires serviced by an authorized HYUNDAI dealer.

You may not be able to identify a tire with low pressure by simply looking at it. Always use a good quality tire pressure gauge to measure. Please note that a tire that is hot (from being driven) will have a higher pressure measurement than a tire that is cold.

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DEALER ePROCESS

A cold tire means the vehicle has been sitting for 3 hours and driven for less than 1 mile (1.6 km) in that 3 hour period.

Allow the tire to cool before measuring the inflation pressure. Always be sure the tire is cold before inflating to the recommended pressure.

⚠ WARNING

- **The TPMS cannot alert you to severe and sudden tire damage caused by external factors such as nails or road debris.**
- **If you feel any vehicle instability, immediately take your foot off the accelerator, apply the brakes gradually with light force, and slowly move to a safe position off the road.**

⚠ WARNING

Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may interfere with the system's ability to warn the driver of low tire pressure conditions and/or TPMS malfunctions. Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may void the warranty for that portion of the vehicle.

ⓘ Information

This device complies with Part 15 of the FCC rules.

Operation is subject to the following three conditions:

1. **This device may not cause harmful interference, and**
2. **This device must accept any interference received, including interference that may cause undesired operation.**
3. **Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

DEP DEALER ePROCESS

IF YOU HAVE A FLAT TIRE

With Spare Tire (if equipped)

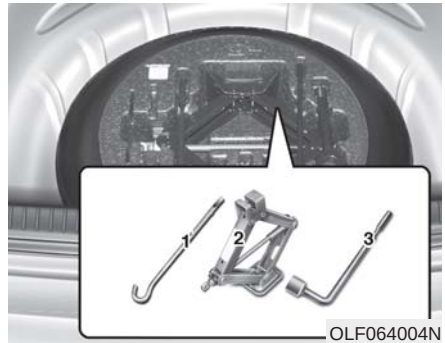
⚠ WARNING

Changing a tire can be dangerous. Follow the instructions in this section when changing a tire to reduce the risk of serious injury or death.

⚠ CAUTION

Be careful as you use the jack handle to stay clear of the flat end. The flat end has sharp edges that could cause cuts.

Jack and tools



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① Jack handle
② Jack
③ Wheel nut wrench

The jack, jack handle, and wheel lug nut wrench are stored in the luggage compartment under the luggage box cover.

The jack is provided for emergency tire changing only.


OLF064031N

Turn the winged hold down bolt counterclockwise to remove the spare tire.

Store the spare tire in the same compartment by turning the winged hold down bolt clockwise.

To prevent the spare tire and tools from "rattling", store them in their proper location.

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If it is hard to loosen the tire hold-down wing bolt by hand, you can loosen it easily using the jack handle.

1. Put the jack handle (1) inside of the tire hold-down wing bolt.
2. Turn the tire hold-down wing bolt counterclockwise with the jack handle.

Changing tires

⚠ WARNING

A vehicle can slip or roll off of a jack causing serious injury or death to you or those nearby. Take the following safety precautions:

- **Never place any portion of your body under a vehicle that is supported by a jack.**
- **NEVER attempt to change a tire in the lane of traffic. ALWAYS move the vehicle completely off the road on level, firm ground away from traffic before trying to change a tire. If you cannot find a level, firm place off the road, call a towing service for assistance.**
- **Be sure to use the jack provided with the vehicle.**

(Continued)

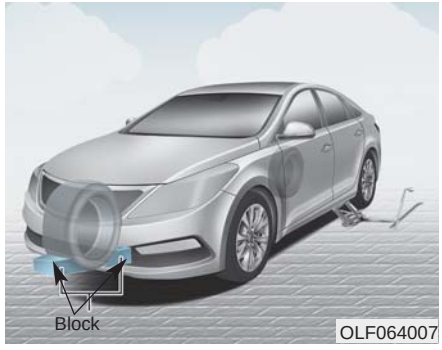
(Continued)

- **ALWAYS place the jack on the designated jacking positions on the vehicle and NEVER on the bumpers or any other part of the vehicle for jacking support.**
- **Do not start or run the engine while the vehicle is on the jack.**
- **Do not allow anyone to remain in the vehicle while it is on the jack.**
- **Keep children away from the road and the vehicle.**

DEP
DEALER ePROCESS

Follow these steps to change your vehicle's tire:

1. Park on a level, firm surface.
2. Move the shift lever into P (Park), apply the parking brake, and place the ignition switch in the LOCK/ OFF position.
3. Press the hazard warning flasher button.
4. Remove the wheel lug nut wrench, jack, jack handle, and spare tire from the vehicle.

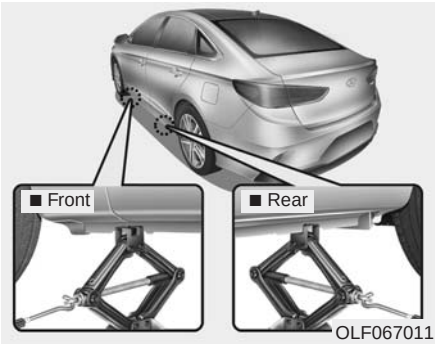


5. Block both the front and rear of the tire diagonally opposite of the tire you are changing.



6. Loosen the wheel lug nuts counterclockwise one turn each in the order shown above, but do not remove any lug nuts until the tire has been raised off of the ground.

DEP
DEALER ePROCESS



7. Place the jack at the designated jacking position under the frame closest to the tire you are changing. The jacking positions are plates welded to the frame with two notches and two dimples. Never jack any other position or part of the vehicle. It may damage to the side seal molding.



8. Insert the jack handle into the jack and turn it clockwise, raising the vehicle until the tire clears the ground. Make sure the vehicle is stable on the jack.

9. Loosen the lug nuts with the wheel lug nut wrench and remove them with your fingers. Remove the wheel from the studs and lay it flat on the ground out of the way. Remove any dirt or debris from the studs, mounting surfaces, and wheel.
10. Install the spare tire onto the studs of the hub.
11. Tighten the lug nuts with your fingers onto the studs with the smaller end of the lug nuts closest to the wheel.
12. Lower the vehicle to the ground by turning the jack handle counterclockwise.

DEP
DEALER ePROCESS



13. Use the wheel lug nut wrench to tighten the lug nuts in the order shown. Double-check each lug nut until they are tight. After changing tires, have an authorized HYUNDAI dealer tighten the lug nuts to their proper torque as soon as possible. **The wheel lug nut should be tightened to 79~94 lbf·ft (11~13 kgf·m).**

If you have a tire gauge, check the tire pressure (see "Tires and Wheels" in chapter 8 for tire pressure instructions.). If the pressure is lower or higher than recommended, drive slowly to the nearest service station and adjust it to the recommended pressure. Always reinstall the valve cap after checking or adjusting tire pressure. If the cap is not replaced, air may leak from the tire. If you lose a valve cap, buy another and install it as soon as possible. After changing tires, secure the flat tire and return the jack and tools to their proper storage locations.

NOTICE

Check the tire pressure as soon as possible after installing a spare tire. Adjust it to the recommended pressure.

⚠ CAUTION

Your vehicle has metric threads on the studs and lug nuts. Make certain during tire changing that the same nuts that were removed are reinstalled. If you have to replace your lug nuts make sure they have metric threads to avoid damaging the studs and ensure the wheel is properly secured to the hub. Consult an authorized HYUNDAI dealer for assistance.

If any of the equipment such as the jack, lug nuts, studs, or other equipment is damaged or in poor condition, do not attempt to change the tire and call for assistance.

DEP
DEALER ePROCESS

Use of compact spare tires (if equipped)

Compact spare tires are designed for emergency use only. Drive carefully on the compact spare tire and always follow the safety precautions.

⚠ WARNING

To prevent compact spare tire failure and loss of control possibly resulting in an accident:

- **Use the compact spare tire only in an emergency.**
- **NEVER operate your vehicle over 50 mph (80 km/h).**
- **Do not exceed the vehicle's maximum load rating or the load carrying capacity shown on the sidewall of the compact spare tire.**
- **Do not use the compact spare tire continuously. Repair or replace the original tire as soon as possible to avoid failure of the compact spare tire.**

When driving with the compact spare tire mounted to your vehicle:

- Check the tire pressure after installing the compact spare tire. The compact spare tire should be inflated to 60 psi (420 kPa).
- Do not take this vehicle through an automatic car wash while the compact spare tire is installed.
- Do not use the compact spare tire on any other vehicle because this tire has been designed especially for your vehicle.
- The compact spare tire's tread life is shorter than a regular tire. Inspect your compact spare tire regularly and replace worn compact spare tires with the same size and design, mounted on the same wheel.
- Do not use more than one compact spare tire at a time.

DEP DEALER ePROCESS

NOTICE

When the original tire and wheel are repaired and reinstalled on the vehicle, the lug nut torque must be set correctly. The correct lug nut tightening torque is 79-94 lbf·ft (11-13 kgf·m).

⚠ CAUTION

To prevent damaging the compact spare tire and your vehicle:

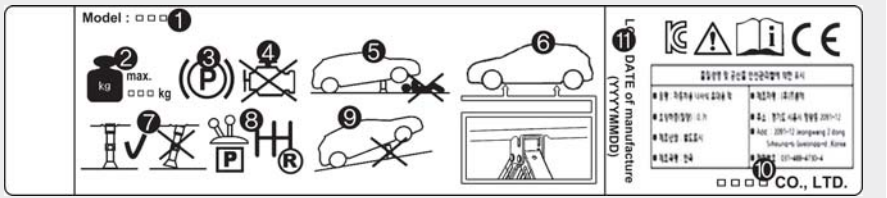
- **Drive slowly enough for the road conditions to avoid all hazards, such as a potholes or debris.**
- **Avoid driving over obstacles. The compact spare tire diameter is smaller than the diameter of a conventional tire and reduces the ground clearance approximately 1 inch (25 mm).**
- **Do not use tire chains on the compact spare tire. Because of the smaller size, a tire chain will not fit properly.**
- **Do not use the compact spare tire on any other wheels, nor should standard tires, snow tires, wheel covers or trim rings be used with the compact spare wheel.**

DEP
DEALER ePROCESS

Jack label

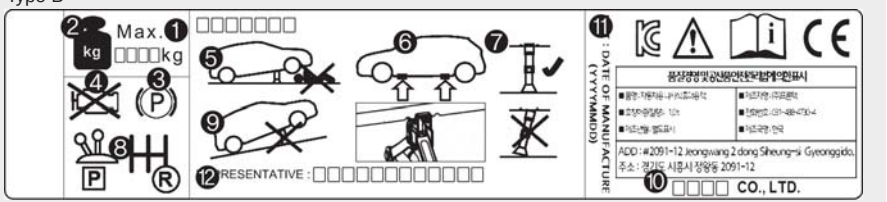
■ Example

• Type A



OHYK065010

• Type B



OHYK065011

• Type C



OHYK064002

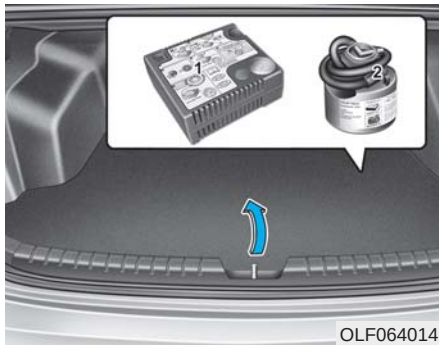
1. Model Name
2. Maximum allowable load
3. When using the jack, set your parking brake.
4. When using the jack, stop the engine.
5. Do not get under a vehicle that is supported by a jack.
6. The designated locations under the frame
7. When supporting the vehicle, the base plate of jack must be vertical under the lifting point.
8. Shift into Reverse gear on vehicles with manual transmission or move the shift lever to the P (Park) position on vehicles with automatic transmission.
9. The jack should be used on firm level ground.
10. Jack manufacture
11. Production date
12. Representative company and address

The actual Jack label in the vehicle may differ from the illustration.

For more detailed specifications, refer to the label attached to the jack.

DEP DEALER ePROCESS

With Tire Mobility Kit (TMK, if equipped) - Type A



OLF064014

For safe operation, carefully read and follow the instructions in this manual before use.

(1) Compressor

(2) Sealant bottle

The Tire Mobility Kit is a temporary fix to the tire and the tire should be inspected by an authorized HYUNDAI dealer as soon as possible.

⚠ CAUTION

One sealant bottle for one tire

When two or more tires are flat, do not use the tire mobility kit because the supported one sealant of Tire Mobility Kit is only used for one flat tire.

⚠ WARNING

Tire wall

Do not use the Tire Mobility Kit to repair punctures in the tire walls. This can result in an accident due to tire failure.

⚠ WARNING

Temporary fix

Have your tire repaired as soon as possible. The tire may lose air pressure at any time after inflating with the Tire Mobility Kit.

Introduction


OLF067015

With the Tire Mobility Kit you stay mobile even after experiencing a tire puncture.

The compressor and sealing compound system effectively and comfortably seals most punctures in a passenger car tire caused by nails or similar objects and reinflates the tire.

After you ensure that the tire is properly sealed you can drive cautiously on the tire (distance up to 120 miles (200 km)) at a max. speed of (50 mph (80 km/h)) in order to reach a service station or tire dealer for the tire replacement.

DEP
DEALER ePROCESS

It is possible that some tires, especially with larger punctures or damage to the sidewall, cannot be sealed completely.

Air pressure loss in the tire may adversely affect tire performance.

For this reason, you should avoid abrupt steering or other driving maneuvers, especially if the vehicle is heavily loaded or if a trailer is in use.

The Tire Mobility Kit is not designed or intended as a permanent tire repair method and is to be used for one tire only.

This instruction shows you step by step how to temporarily seal the puncture simply and reliably.

Read the section "Notes on the safe use of the Tire Mobility Kit".

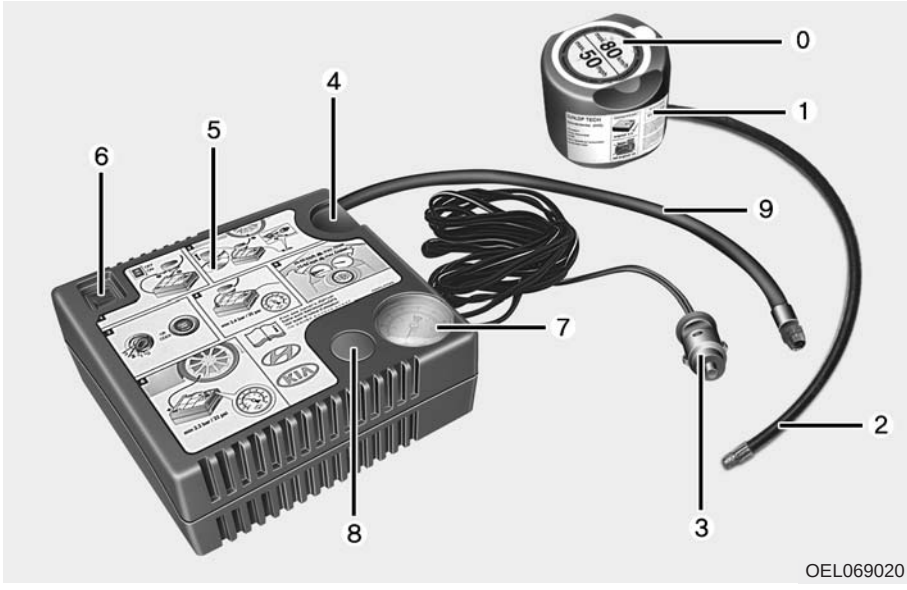
Notes on the safe use of the Tire Mobility Kit

- Park your car at the side of the road so that you can work with the Tire Mobility Kit away from moving traffic.
- To be sure your vehicle will not move, even when you're on fairly level ground, always set your parking brake.
- Only use the Tire Mobility Kit for sealing/inflation passenger car tires. Only punctured areas located within the tread region of the tire can be sealed using the tire mobility kit.
- Do not use on motorcycles, bicycles or any other type of tires.
- When the tire and wheel are damaged, do not use Tire Mobility Kit for your safety.
- Use of the Tire Mobility Kit may not be effective for tire damage larger than approximately 0.24 inch (6 mm).

 Please contact the nearest HYUNDAI dealership if the tire cannot be made roadworthy with the Tire Mobility Kit.
- Do not use the Tire Mobility Kit if a tire is severely damaged by driving run flat or with insufficient air pressure.
- Do not remove any foreign objects such as nails or screws that have penetrated the tire.
- Provided the car is outdoors, leave the engine running. Otherwise operating the compressor may eventually drain the car battery.
- Never leave the Tire Mobility Kit unattended while it is being used.
- Do not leave the compressor running for more than 10 minutes at a time or it may overheat.
- Do not use the Tire Mobility Kit if the ambient temperature is below -22°F (-30°C).

DEP
DEALER ePROCESS

Components of the Tire Mobility Kit



0. Speed restriction label
1. Sealant bottle and label with speed restriction
2. Filling hose from sealant bottle to wheel
3. Connectors and cable for power outlet direct connection
4. Holder for the sealant bottle
5. Compressor
6. ON/OFF switch
7. Pressure gauge for displaying the tire inflation pressure
8. Screw cap for reducing tire inflation pressure
9. Hose to connect compressor and sealant bottle or compressor and wheel

Connectors, cable and connection hose are stored in the compressor housing.

Strictly follow the specified sequence, otherwise the sealant may escape under high pressure.

⚠ WARNING

Do not use the tire sealant after the sealant has expired (i.e. pasted the expiration date on the sealant container). This can increase the risk of tire failure.

⚠ WARNING

- **Keep out of reach of children.**
- **Avoid contact with eyes.**
- **Do not swallow.**

DEP DEALER ePROCESS

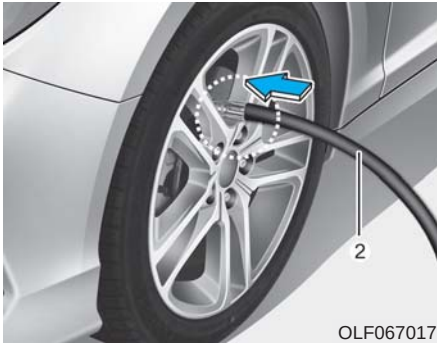
Using the Tire Mobility Kit

1. Detach the speed restriction label (0) from the sealant bottle (1), and place it in a highly visible place inside the vehicle such as on the steering wheel to remind the driver not to drive too fast.



OLMF064104

2. Screw the connection hose (9) onto the connector of the sealant bottle.
3. Ensure that the screw cap (8) is closed.



OLF067017

4. Unscrew the valve cap from the valve of the flat tire and screw the filling hose (2) of the sealant bottle onto the valve.

DEP
DEALER ePROCESS

⚠ CAUTION

Securely install the sealant filling hose to the valve. If not, sealant may flow backward, possibly clogging the filling hose.


OLF067033


OLMF064105

5. Insert the sealant bottle into the housing (4) of the compressor so that the bottle is upright.
6. Ensure that the compressor is switched off, position 0.



OLF067019

7. Plug the compressor power cord (3) into the vehicle power outlet.
8. With the ignition switch in the ON position, switch on the compressor and let it run for approximately 5~7 minutes to fill the sealant up to proper pressure. (refer to the Tire and Wheels, chapter 8). The inflation pressure of the tire after filling is unimportant and will be checked/corrected later.

 Be careful not to overinflate the tire and stay away from the tire when filling it.

DEP
DEALER ePROCESS

⚠ CAUTION

Do not attempt to drive your vehicle if the tire pressure is below 29 psi (200 kpa). This could result in an accident due to sudden tire failure.

9. Switch off the compressor.
10. Detach the hoses from the sealant bottle connector and from the tire valve.

Return the Tire Mobility Kit to its storage location in the vehicle.

⚠ WARNING

Do not leave your vehicle running in a poorly ventilated area for extended periods of time. Carbon monoxide poisoning and suffocation can occur.

Distributing the sealant

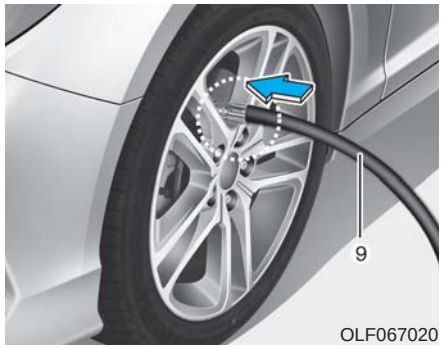
11. Immediately drive approximately 4~6 miles (7~10 km or about 10 minutes) to evenly distribute the sealant in the tire.

Do not exceed a speed of 50 mph (80 km/h). If possible, do not fall below a speed of 12 mph (20 km/h).

While driving, if you experience any unusual vibration, ride disturbance or noise, reduce your speed and drive with caution until you can safely pull off of the side of the road.

Call for road side service or towing.

When you use the Tire Mobility Kit, the tire pressure sensors and wheel may be damaged by sealant, have it inspected at an authorized dealer.



Checking the tire inflation pressure

1. After driving approximately 4~6 miles (7~10 km or about 10 minutes), stop at a safe location.
2. Connect hose (9) of the compressor directly to the tire valve.
3. Plug the compressor power cord into the vehicle power outlet.

DEP DEALER ePROCESS

4. Adjust the tire inflation pressure to the recommended tire inflation.

 With the ignition switched on, proceed as follows.

 - **To increase the inflation pressure:**

 Switch on the compressor, position to [I]. To check the current inflation pressure setting, briefly switch off the compressor.

 - **To reduce the inflation pressure:**

 Loosen the screw cap (8) on the compressor hose.

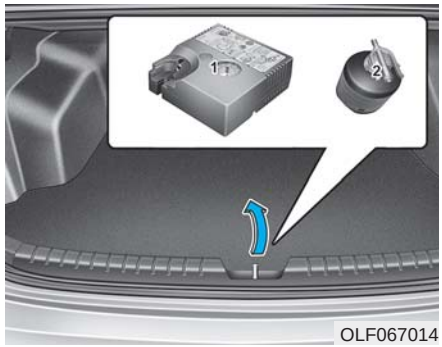
Information

The pressure gauge may show higher than actual reading when the compressor is running. To get an accurate tire pressure, the compressor needs to be turned off.

⚠ CAUTION

When you use the Tire Mobility Kit including sealant not approved by HYUNDAI, the tire pressure sensors may be damaged by sealant. The sealant on the tire pressure sensor and wheel should be removed when you replace the tire with a new one and inspect the tire pressure sensors at an authorized dealer.

With tire mobility kit (if equipped) - Type B



For safe operation, carefully read and follow the instructions in this manual before use.

(1) Compressor

(2) Sealant bottle

The Tire Mobility Kit is a temporary fix to the tire and we recommend that the system be inspected by an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

⚠ CAUTION

When two or more tires are flat, do not use the tire mobility kit because the supported one sealant of Tire Mobility Kit is only used for one flat tire.

⚠ WARNING

Do not use the Tire Mobility Kit to repair punctures in the tire walls. This can result in an accident due to tire failure.

⚠ WARNING

Have your tire repaired as soon as possible. The tire may loose air pressure at any time after inflating with the Tire Mobility Kit.

Introduction

With the Tire Mobility Kit you stay mobile even after experiencing a tire puncture.

The system of compressor and sealing compound effectively and comfortably seals most punctures in a passenger car tire caused by nails or similar objects and reinflates the tire.

After you ensured that the tire is properly sealed you can drive cautiously on the tire (distance up to 200 km (120 miles)) at a max. speed of 80 km/h (50 mph) in order to reach a service station or tire dealer to have the tire replaced.

It is possible that some tires, especially with larger punctures or damage to the sidewall, cannot be sealed completely.

Air pressure loss in the tire may adversely affect tire performance.

For this reason, you should avoid abrupt steering or other driving maneuvers, especially if the vehicle is heavily loaded or if a trailer is in use.

The Tire Mobility Kit is not designed or intended as a permanent tire repair method and is to be used for one tire only. This instruction shows you step by step how to temporarily seal the puncture simply and reliably.

Read the section "Notes on the safe use of the Tire Mobility Kit".

⚠ WARNING

Do not use the TMK if a tire is severely damaged by driving run flat or with insufficient air pressure.

Only punctured areas located within the tread region of the tire can be sealed using the TMK.

DEP DEALER ePROCESS

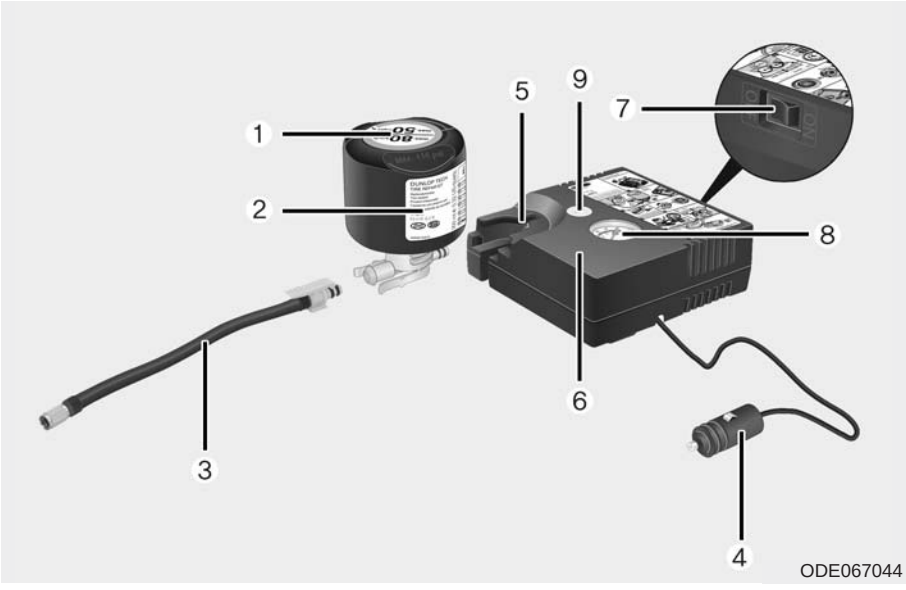
Notes on the safe use of the Tire Mobility Kit

- Park your car at the side of the road so that you can work with the Tire Mobility Kit away from moving traffic.
- To be sure your vehicle will not move, even when you're on fairly level ground, always set your parking brake.
- Only use the Tire Mobility Kit for sealing/inflation passenger car tires. Only punctured areas located within the tread region of the tire can be sealed using the tire mobility kit.
- Do not use on motorcycles, bicycles or any other type of tires.
- When the tire and wheel are damaged, do not use Tire Mobility Kit for your safety.
- Use of the Tire Mobility Kit may not be effective for tire damage larger than approximately 6 mm (0.24 in).

 If the tire cannot be made roadworthy with the Tire Mobility Kit, we recommend that you contact an authorized HYUNDAI dealer.
- Do not use the Tire Mobility Kit if a tire is severely damaged by driving run flat or with insufficient air pressure.
- Do not remove any foreign objects such as nails or screws that have penetrated the tire.
- Provided the car is outdoors, leave the engine running. Otherwise operating the compressor may eventually drain the car battery.
- Never leave the Tire Mobility Kit unattended while it is being used.
- Do not leave the compressor running for more than 10 min. at a time or it may overheat.
- Do not use the Tire Mobility Kit if the ambient temperature is below -30°C (-22°F).
- In case of skin contact with the sealant, wash the area thoroughly with plenty of water. If the irritation persists, seek medical attention.
- In case of eye contact with the sealant, flush your eyes for at least 15 minutes. If the irritation persists, seek medical attention.
- In case of swallowing the sealant, rinse the mouth and drink plenty of water. However, never give anything to an unconscious person and seek medical attention immediately.
- Long time exposure to the sealant may cause damage to bodily tissue such as kidney, etc.

DEP
DEALER ePROCESS

Components of the Tire Mobility Kit



1. Speed- restriction label
2. Sealant bottle and label with speed restriction
3. Filling hose from sealant bottle to wheel
4. Connectors and cable for the power outlet direct connection
5. Holder for the sealant bottle
6. Compressor
7. ON/OFF switch
8. Pressure gauge for displaying the tire inflation pressure
9. Button for reducing tire inflation pressure

Connectors, cable and connection hose are stored in the compressor housing.

Strictly follow the specified sequence, otherwise the sealant may escape under high pressure.

⚠ WARNING

Expired sealant

Do not use the Tire sealant after the sealant has expired (i.e. pasted the expiration date on the sealant container). This can increase the risk of tire failure.

⚠ WARNING

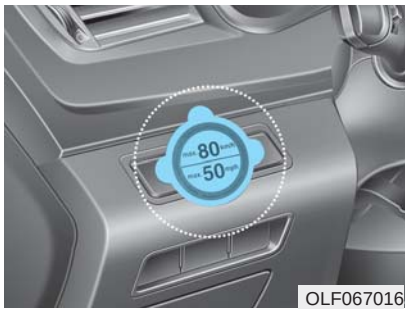
Sealant

- **Keep out of reach of children.**
- **Avoid contact with eyes.**
- **Do not swallow.**

DEP DEALER ePROCESS

Using the Tire Mobility Kit

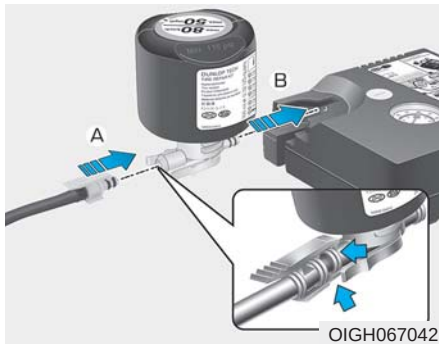
⚠ CAUTION



OLF067016

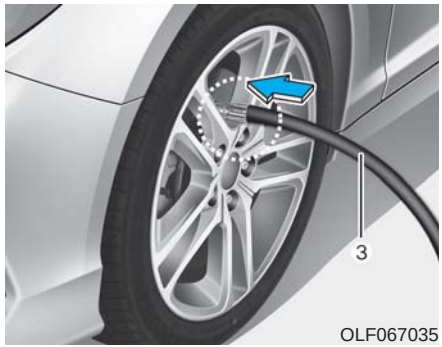
Detach the speed restriction label (1) from the sealant bottle (2), and place it in a highly visible place inside the vehicle such as on the steering wheel to remind the driver not to drive too fast.

1. Shake the sealant bottle (2).
2. Connect the filling hose (3) to the sealant bottle (2) in the direction of (A) and connect the sealant bottle to the compressor (6) in the direction of (B).



OIGH067042

3. Ensure that the compressor is switched OFF.



OLF067035

4. Unscrew the valve cap from the valve of the defective wheel and screw the filling hose (3) of the sealant bottle onto the valve.

DEP
DEALER ePROCESS

⚠ CAUTION

Securely install the sealant filling hose to the valve. If not, sealant may flow backward, possibly clogging the filling hose.



5. Plug the compressor power cord (3) into the vehicle power outlet.

NOTICE

Only use the front passenger side power outlet when connecting the power cord.

6. With the ignition switch in the ON position, switch on the compressor and let it run for approximately 5~7 minutes to fill the sealant up to proper pressure. (refer to the Tire and Wheels, chapter 8). The inflation pressure of the tire after filling is unimportant and will be checked/corrected later.

 Be careful not to overinflate the tire and stay away from the tire when filling it.

⚠ CAUTION

Tire pressure

Do not attempt to drive your vehicle if the tire pressure is below 200 kPa (29 psi). This could result in an accident due to sudden tire failure.

7. Switch off the compressor.
8. Detach the hoses from the sealant bottle connector and from the tire valve.

Return the Tire Mobility Kit to its storage location in the vehicle.

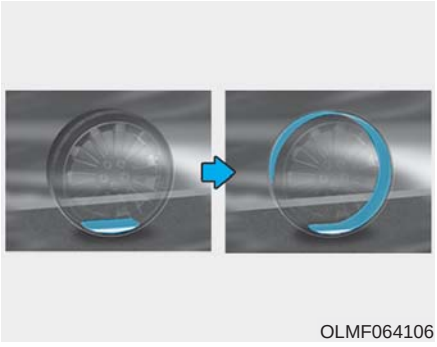
⚠ WARNING

Carbon monoxide

Do not leave your vehicle running in a poorly ventilated area for extended periods of time. Carbon monoxide poisoning and suffocation can occur.

DEP DEALER ePROCESS

Distributing the sealant



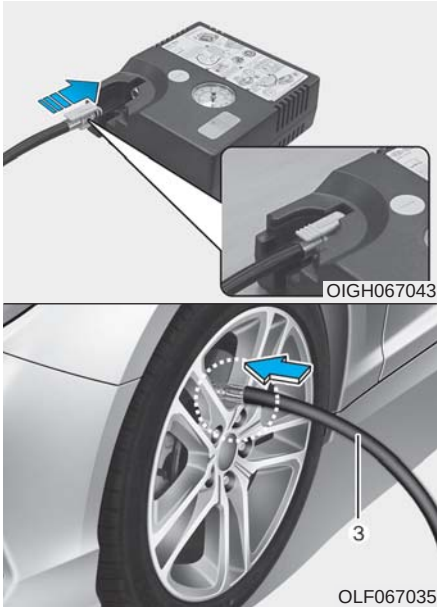
9. Immediately drive approximately 7~10 km (4~6 miles or, about 10min) to evenly distribute the sealant in the tire.

Do not exceed a speed of 80 km/h (50 mph). If possible, do not fall below a speed of 20 km/h (12 mph).

While driving, if you experience any unusual vibration, ride disturbance or noise, reduce your speed and drive with caution until you can safely pull off of the side of the road.

Call for road side service or towing. When you use the Tire Mobility Kit, the tire pressure sensors and wheel may be damaged by sealant, remove the sealant stained with tire pressure sensors and wheel and inspect in authorized dealer.

Checking the tire inflation pressure



1. After driving approximately 7~10 km (4~6 miles or about 10 min), stop at a safety location.
2. Connect the filling hose (3) of the compressor directly to the tire valve.

DEP
DEALER ePROCESS

3. Plug the compressor power cord into the vehicle power outlet.
4. Adjust the tire inflation pressure to the recomended tire inflation.

 With the ignition swithched on, proceed as follows.

 - **To increase the inflation pressure :** Switch on the compressor. To check the current inflation pressure setting, briefly switch off the compressor.
 - **To reduce the inflation pressure:** Press the button (9) on the compressor.

NOTICE

Do not let the compressor run for more than 10 minutes, otherwise the device will overheat and may be damaged.

i Information

The pressure gauge may show higher than actual reading when the compressor is running. To get an accurate tire reading, the compressor needs to be turned off.

⚠ CAUTION

If the inflation pressure is not maintained, drive the vehicle a second time, refer to Distributing the sealant. Then repeat steps 1 to 4.

Use of the TMK may be ineffectual for tire damage larger than approximately 4 mm (0.16 in).

We recommend that you contact an authorized HYUNDAI dealer if the tire cannot be made roadworthy with the Tire Mobility Kit.

⚠ WARNING

The tire inflation pressure must be at least 220 kPa (32 psi). If it is not, do not continue driving.

Call for road side service or towing.

⚠ CAUTION

Tire pressure sensor

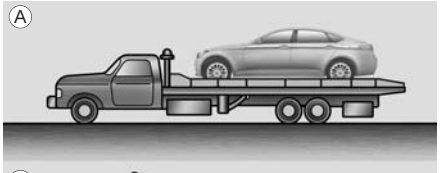
The sealant on the tire pressure sensor and wheel should be removed when you replace the tire with a new one and inspect the tire pressure sensors at an authorized dealer.

When reinstalling the repaired or replaced tire and wheel on the vehicle, tighten the wheel lug nut to 11~13 kgf·m (79~94 lbf·ft).

DEP DEALER ePROCESS

TOWING

Towing Service



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If emergency towing is necessary, we recommend having it done by an authorized HYUNDAI dealer or a commercial tow-truck service.

Proper lifting and towing procedures are necessary to prevent damage to the vehicle. The use of wheel dollies or flatbed is recommended.

It is acceptable to tow the vehicle with the rear wheels on the ground (without dollies) and the front wheels off the ground.

If any of the loaded wheels or suspension components are damaged or the vehicle is being towed with the front wheels on the ground, use a towing dolly under the front wheels.

When being towed by a commercial tow truck and wheel dollies are not used, the front of the vehicle should always be lifted, not the rear.


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⚠ CAUTION

- **Do not tow the vehicle with the front wheels on the ground as this may cause damage to the vehicle.**
- **Do not tow with sling-type equipment. Use wheel lift or flatbed equipment.**

DEP
DEALER ePROCESS

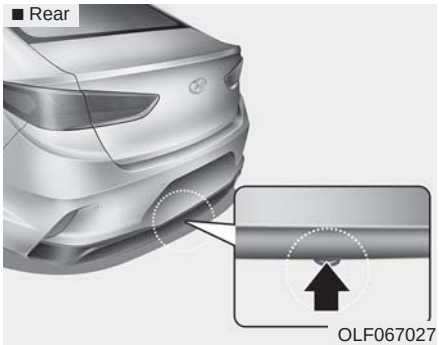
When towing your vehicle in an emergency without wheel dollies :

1. Place the ignition switch in the ACC position.
2. Place the shift lever in N (Neutral).
3. Release the parking brake.

⚠ CAUTION

Failure to place the transmission shift lever in N (Neutral) may cause internal damage to the transmission.

Emergency Towing (if equipped)



If towing is necessary, we recommend you to have it done by an authorized HYUNDAI dealer or a commercial tow truck service.

If towing service is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the emergency towing hook at the rear of the vehicle.

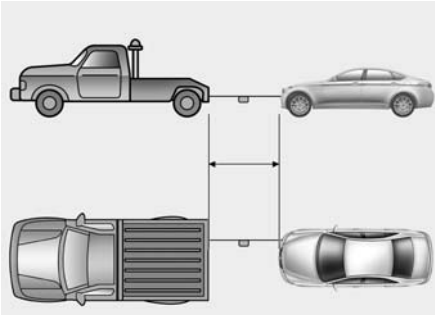
Use extreme caution when towing the vehicle with a cable or chain. A driver must be in the vehicle to steer it and operate the brakes.

Towing in this manner may be done only on hard-surfaced roads for a short distance and at low speeds. Also, the wheels, axles, power train, steering and brakes must all be in good condition.

DEP DEALER ePROCESS

Always follow these emergency towing precautions:

- Place the ignition switch in the ACC position so the steering wheel is not locked.
- Place the shift lever in N (Neutral).
- Release the parking brake.
- Depress the brake pedal with more force than normal since you will have reduced braking performance.
- More steering effort will be required because the power steering system will be disabled.
- Use a vehicle heavier than your own to tow your vehicle.
- The drivers of both vehicles should communicate with each other frequently.
- Before emergency towing, check that the hook is not broken or damaged.
- Fasten the towing cable or chain securely to the hook.
- Do not jerk the hook. Apply steady and even force.



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- Use a towing cable or chain less than 16 feet (5 m) long. Attach a white or red cloth (about 12 inches (30 cm) wide) in the middle of the cable or chain for easy visibility.
- Drive carefully so the towing cable or chain remains tight during towing.
- Before towing, check the automatic transmission for fluid leaks under your vehicle. If the automatic transmission fluid is leaking, flatbed equipment or a towing dolly must be used.

⚠ CAUTION

To avoid damage to your vehicle and vehicle components when towing:

- **Always pull straight ahead when using the towing hooks. Do not pull from the side or at a vertical angle.**
- **Do not use the towing hooks to pull a vehicle out of mud, sand or other conditions from which the vehicle cannot be driven out under its own power.**
- **Limit the vehicle speed to 10 mph (15 km/h) and drive less than 1 mile (1.5 km) when towing to avoid serious damage to the automatic transmission.**

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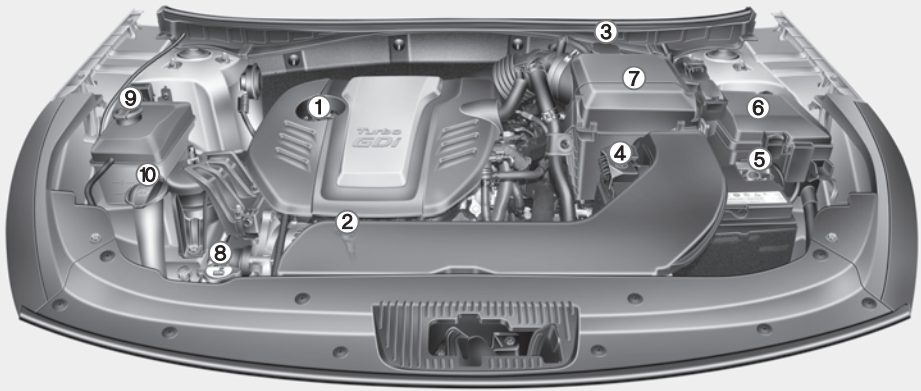
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ENGINE COMPARTMENT

■ 1.6 T-GDI



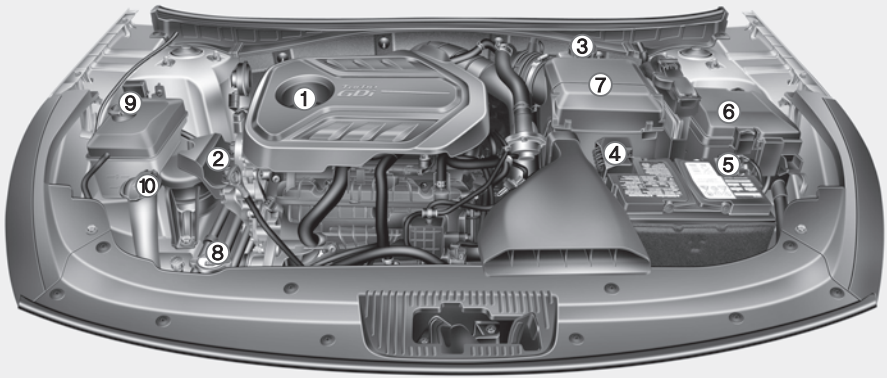
1. Engine oil filler cap
2. Engine oil dipstick
3. Brake fluid reservoir
4. Positive battery terminal
5. Negative battery terminal
6. Fuse box
7. Air cleaner
8. Radiator cap
9. Engine coolant reservoir
10. Windshield washer fluid reservoir

The actual engine compartment in the vehicle may differ from the illustration.

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DEP
DEALER ePROCESS

■ 2.0 T-GDI



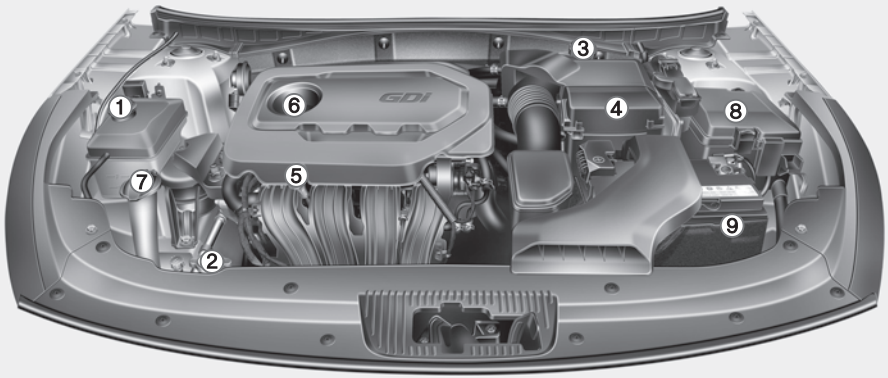
1. Engine oil filler cap
2. Engine oil dipstick
3. Brake fluid reservoir
4. Positive battery terminal
5. Negative battery terminal
6. Fuse box
7. Air cleaner
8. Radiator cap
9. Engine coolant reservoir
10. Windshield washer fluid reservoir

The actual engine compartment in the vehicle may differ from the illustration.

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DEP DEALER ePROCESS

■ 2.4 GDI



1. Engine coolant reservoir
2. Radiator cap
3. Brake fluid reservoir
4. Air cleaner
5. Engine oil dipstick
6. Engine oil filler cap
7. Windshield washer fluid reservoir
8. Fuse box
9. Battery

The actual engine compartment in the vehicle may differ from the illustration.

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DEP
DEALER ePROCESS

MAINTENANCE SERVICES

You should exercise the utmost care to prevent damage to your vehicle and injury to yourself whenever performing any maintenance or inspection procedures.

We recommend you have your vehicle maintained and repaired by an authorized HYUNDAI dealer. An authorized HYUNDAI dealer meets HYUNDAI's high service quality standards and receives technical support from HYUNDAI in order to provide you with a high level of service satisfaction.

Owner's Responsibility

Maintenance service and record retention are the owner's responsibility.

You should retain documents that show proper maintenance has been performed on your vehicle in accordance with the scheduled maintenance service charts shown on the following pages. You need this information to establish your compliance with the servicing and maintenance requirements of your vehicle warranties.

Detailed warranty information is provided in your Owner's Handbook & Warranty Information booklet.

Repairs and adjustments required as a result of improper maintenance or a lack of required maintenance are not covered.

Owner Maintenance Precautions

Inadequate, incomplete or insufficient servicing may result in operational problems with your vehicle that could lead to vehicle damage, an accident, or personal injury. This chapter provides instructions only for the maintenance items that are easy to perform. Several procedures can be done only by an authorized HYUNDAI dealer with special tools.

Your vehicle should not be modified in any way. Such modifications may adversely affect the performance, safety or durability of your vehicle and may, in addition, violate conditions of the limited warranties covering the vehicle.

Certain modifications may also be in violation of regulations established by the U.S. Department of Transportation and other federal or state agencies.

NOTICE

Improper owner maintenance during the warranty period may affect warranty coverage. For details, read the separate Owner's Handbook & Warranty Information booklet provided with the vehicle. If you're unsure about any service or maintenance procedure, have it done by an authorized HYUNDAI dealer.

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⚠ WARNING

Performing maintenance work on a vehicle can be dangerous. If you lack sufficient knowledge and experience or the proper tools and equipment to do the work, have it done by an authorized HYUNDAI dealer. ALWAYS follow these precautions for performing maintenance work:

- **Park your vehicle on level ground, move the shift lever into the P (Park, for automatic transmission vehicle) position, apply the parking brake, place the ignition switch in the LOCK/OFF position.**
- **Block the tires (front and back) to prevent the vehicle from moving.**

 Remove loose clothing or jewelry that can become entangled in moving parts.

(Continued)

(Continued)

- **If you must run the engine during maintenance, do so out doors or in an area with plenty of ventilation.**
- **Keep flames, sparks, or smoking materials away from the battery and fuel-related parts.**

The following lists are vehicle checks and inspections that should be performed by the owner or an authorized HYUNDAI dealer at the frequencies indicated to help ensure safe, dependable operation of your vehicle.

Any adverse conditions should be brought to the attention of your dealer as soon as possible.

These Owner Maintenance vehicle checks are generally not covered by warranties and you may be charged for labor, parts and lubricants used.

DEP
DEALER ePROCESS

Owner Maintenance Schedule

When you stop for fuel:

- Check the engine oil level.
- Check coolant level in the engine coolant reservoir.
- Check the windshield washer fluid level.
- Check for low or under-inflated tires.

⚠ WARNING

Be careful when checking your engine coolant level when the engine is hot. This may result in coolant being blown out of the opening and cause serious burns and other injuries.

While operating your vehicle:

- Note any changes in the sound of the exhaust or any smell of exhaust fumes in the vehicle.
- Check for vibrations in the steering wheel. Notice if there is any increased steering effort or looseness in the steering wheel, or change in its straight-ahead position.
- Notice if your vehicle constantly turns slightly or "pulls" to one side when traveling on smooth, level road.
- When stopping, listen and check for unusual sounds, pulling to one side, increased brake pedal travel or "hard-to-push" brake pedal.
- If any slipping or changes in the operation of your transmission occurs, check the transmission fluid level.
- Check the automatic transmission /ecoshift dual clutch transmission P (Park) function.
- Check the parking brake.
- Check for fluid leaks under your vehicle (water dripping from the air conditioning system during or after use is normal).

At least monthly:

- Check coolant level in the engine coolant reservoir.
- Check the operation of all exterior lights, including the stoplights, turn signals and hazard warning flashers.
- Check the inflation pressures of all tires including the spare for tires that are worn, show uneven wear, or are damaged.
- Check for loose wheel lug nuts.

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At least twice a year:
(i.e., every Spring and Fall)

- Check radiator, heater and air conditioning hoses for leaks or damage.
- Check windshield washer spray and wiper operation. Clean wiper blades with clean cloth dampened with washer fluid.
- Check headlamp alignment.
- Check muffler, exhaust pipes, shields and clamps.
- Check the seat belts for wear and function.

At least once a year:

- Clean body and door drain holes.
- Lubricate door hinges and hood hinges.
- Lubricate door and hood locks and latches.
- Lubricate door rubber weather strips.
- Check the air conditioning system.
- Inspect and lubricate automatic transmission linkage and controls.
- Clean the battery and terminals.
- Check the brake fluid level.

SCHEDULED MAINTENANCE SERVICES

Follow Normal Maintenance Schedule if the vehicle is usually operated where none of the following conditions apply. If any of the following conditions apply, you must follow the Maintenance Under Severe Usage Conditions.

- Repeated short distance driving.
- Driving in dusty conditions or sandy areas.
- Extensive use of brakes.
- Driving in areas where salt or other corrosive materials are used.
- Driving on rough or muddy roads.
- Driving in mountainous areas.
- Extended periods of idling or low speed operation.
- Driving for a prolonged period in cold temperatures and/or extremely humid climates.
- More than 50% driving in heavy city traffic during hot weather above 90°F (32°C).

For additional information or assistance see your authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

Normal Maintenance Schedule (Gamma 1.6 T-GDI/Theta 2.0 T-GDI)

MAINTENANCE INTERVALS / MAINTENANCE ITEM																
	Months	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	Miles×1,000	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
	Km×1,000	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Drive belts *1		At first, inspect at 60,000 miles or 72 months. Thereafter, inspect every 12,000 miles or 24 months														
Engine oil and engine oil filter		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Fuel additives *2		Add fuel additives every 6,000 miles or 12 months														
Air cleaner filter		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
Spark plugs		Replace every 42,000 miles														
Valve clearance *3 (1.6 T-GDI only)		Inspect every 60,000 miles or 72 months														
Rotate tires		Rotate tires every 6,000 miles														
Climate control air filter		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Vacuum hose		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Engine coolant		At first, replace at 120,000 miles or 120 months. Thereafter, replace every 30,000 miles or 24 months														

I : Inspect : Inspect and if necessary, adjust, correct, clean or replace.

R : Replace or change.

*1 : The drive belt should be replaced when cracks occur or tension is reduced excessively.

*2 : If TOP TIER Detergent Gasoline is not available, one bottle of additive is recommended. Additives are available from your authorized HYUNDAI dealer along with information on how to use them. Do not mix other additives.

*3 : Inspect for excessive valve noise and/or engine vibration and adjust if necessary. Have an authorized HYUNDAI dealer perform the operation.

DEP DEALER ePROCESS

Normal Maintenance Schedule (Gamma 1.6 T-GDI/Theta 2.0 T-GDI) (CONT)

MAINTENANCE INTERVALS / MAINTENANCE ITEM																
	Months	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	Miles×1,000	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
	Km×1,000	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Battery condition		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Brake lines, hoses and connections		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Disc brakes and pads		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Driveshaft and boots		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Suspension mounting bolts		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Air conditioner refrigerant		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Air conditioner compressor		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Exhaust pipe and muffler		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Automatic transaxle fluid (if equipped)		No check, No service required														
Ecoshift dual clutch transmission fluid (if equipped)					I				I				I			

I : Inspect : Inspect and if necessary, adjust, correct, clean or replace.

R : Replace or change.

DEP
DEALER ePROCESS

Normal Maintenance Schedule (Gamma 1.6 T-GDI/Theta 2.0 T-GDI) (CONT)

MAINTENANCE INTERVALS / MAINTENANCE ITEM	Months	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	Miles×1,000	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
	Km×1,000	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Intercooler, in/out hose, air intake hose		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Steering gear rack, linkage and boots		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Vapor hose, fuel filler cap and fuel tank			I		I		I		I		I		I		I	
Fuel tank air filter *4			I		I		I		I		I		I		I	
Fuel filter *4			I		I		I		I		I		I		I	
Fuel lines, hoses and connections					I				I				I			
Parking brake			I		I		I		I		I		I		I	
Brake fluid			I		I		I		I		I		I		I	

I : Inspect : Inspect and if necessary, adjust, correct, clean or replace.

R : Replace or change.

*4 : Fuel filter & Fuel tank air filter are considered to be maintenance free but periodic inspection is recommended for this maintenance schedule depends on fuel quality. If there are some important safety matters like fuel flow restriction, surging, loss of power, hard starting problem, etc. replace the fuel filter immediately regardless of maintenance schedule and consult an authorized HYUNDAI dealer for details.

DEP DEALER ePROCESS

Maintenance Under Severe Usage Conditions (Gamma 1.6 T-GDI/Theta 2.0 T-GDI)

The following items must be serviced more frequently on cars normally used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

R : Replace I : Inspect and, after inspection, clean, adjust, repair or replace if necessary

MAINTENANCE ITEM	MAINTENANCE OPERATION	MAINTENANCE INTERVALS	DRIVING CONDITION
Engine oil and filter	R	Every 3,000 miles or 6 months	A, B, C, D, E, F, G, H, I, J, K
Air cleaner filter	R	More frequently	C, E
Spark plugs	R	More frequently	A, B, H, I, K
Automatic transmission fluid (if equipped)	R	Every 60,000 miles	A, C, E, F, G, I
Ecoshift dual clutch transmission fluid (if equipped)	R	Every 72,000 miles	C, D, E, F, G, H, I, J
Front brake disc/pads, calipers	I	More frequently	C, D, G, H
Rear brake shoes or disc/pads	I	More frequently	C, D, G, F

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DEALER ePROCESS

MAINTENANCE ITEM	MAINTENANCE OPERATION	MAINTENANCE INTERVALS	DRIVING CONDITION
Parking brake	I	More frequently	C, D, G, H
Steering gear box, linkage & boots/ lower arm ball joint, upper arm ball joint	I	More frequently	C, D, E, F, G, H, I
Suspension mounting bolts	I	More frequently	C, D, E, F, G, H, I
Drive shafts and boots	I	Every 3,000 miles or 6 months	C, D, E, F, G, H, I
Climate control air filter (for evaporator and blower unit)	R	More frequently	C, E

Severe Driving Conditions

A - Repeatedly driving short distances of less than 5 miles (8 km) in normal temperature or less than 10 miles (16 km) in freezing temperature
B - Extensive engine idling or low speed driving for long distances
C - Driving on rough, dusty, muddy, unpaved, graveled or salt-spread roads
D - Driving in areas using salt or other corrosive materials or in very cold weather
E - Driving in sandy areas
F - Driving in heavy traffic area over 90°F (32°C)
G - Driving on uphill, downhill, or mountain road
H - Towing a Trailer, or using a camper, or roof rack
I - Driving as a patrol car, taxi, other commercial use or vehicle towing
J - Driving over 106 mph (170 km/h)
K - Frequently driving in stop-and-go conditions

DEP DEALER ePROCESS

Normal Maintenance Schedule (Theta 2.4 GDI)

MAINTENANCE INTERVALS / MAINTENANCE ITEM																
	Months	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	Miles×1,000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5
	Km×1,000	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
Drive belts *1		At first, inspect at 60,000 miles or 72 months. Thereafter, inspect every 15,000 miles or 24 months														
Engine oil and engine oil filter		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Fuel additives *2		Add fuel additives every 7,500 miles or 12 months														
Air cleaner filter		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
Spark plugs		Replace every 97,500 miles														
Rotate tires		Rotate tires every 7,500 miles														
Climate control air filter		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Vacuum hose		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Engine coolant		At first, replace at 120,000 miles or 120 months. Thereafter, replace every 30,000 miles or 24 months														
Battery condition		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

I : Inspect : Inspect and if necessary, adjust, correct, clean or replace.

R : Replace or change.

*1 : The drive belt should be replaced when cracks occur or tension is reduced excessively.

*2 : If TOP TIER Detergent Gasoline is not available, one bottle of additive is recommended. Additives are available from your authorized HYUNDAI dealer along with information on how to use them. Do not mix other additives.

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DEALER ePROCESS

Normal Maintenance Schedule (Theta 2.4 GDI) (CONT)

MAINTENANCE INTERVALS / MAINTENANCE ITEM																
	Months	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	Miles×1,000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5
	Km×1,000	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
Brake lines, hoses and connections		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Disc brakes and pads		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Driveshaft and boots		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Suspension mounting bolts		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Air conditioner refrigerant		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Air conditioner compressor		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Exhaust pipe and muffler		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Automatic transaxle fluid (if equipped)		No check, No service required														
Steering gear rack, linkage and boots		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Vapor hose, fuel filler cap and fuel tank			I		I		I		I		I		I		I	
Fuel tank air filter *[3]			I		I		I		I		I		I		I	
Fuel filter *[3]			I		I		I		I		I		I		I	
Fuel lines, hoses and connections					I				I				I			

I : Inspect : Inspect and if necessary, adjust, correct, clean or replace.

R : Replace or change.

*[3] : Fuel filter & Fuel tank air filter are considered to be maintenance free but periodic inspection is recommended for this maintenance schedule depends on fuel quality. If there are some important safety matters like fuel flow restriction, surging, loss of power, hard starting problem, etc. replace the fuel filter immediately regardless of maintenance schedule and consult an authorized HYUNDAI dealer for details.

DEP DEALER ePROCESS

Normal Maintenance Schedule (Theta 2.4 GDI) (CONT)

MAINTENANCE INTERVALS / MAINTENANCE ITEM																
	Months	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	Miles×1,000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5
	Km×1,000	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
Parking brake			I		I		I		I		I		I		I	
Brake fluid			I		I		I		I		I		I		I	

I : Inspect : Inspect and if necessary, adjust, correct, clean or replace.

R : Replace or change.

DEP
DEALER ePROCESS

Maintenance Under Severe Usage Conditions (Theta 2.4 GDI)

The following items must be serviced more frequently on cars normally used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

R : Replace I : Inspect and, after inspection, clean, adjust, repair or replace if necessary

MAINTENANCE ITEM	MAINTENANCE OPERATION	MAINTENANCE INTERVALS	DRIVING CONDITION
Engine oil and filter	R	Every 3,750 miles or 6 months	A, B, C, D, E, F, G, H, I, J, K
Air cleaner filter	R	More frequently	C, E
Spark plugs	R	More frequently	A, B, H, I, K
Automatic transmission fluid (if equipped)	R	Every 60,000 miles	A, C, E, F, G, I
Front brake disc/pads, calipers	I	More frequently	C, D, G, H
Rear brake shoes or disc/pads	I	More frequently	C, D, G, F

DEP DEALER ePROCESS

MAINTENANCE ITEM	MAINTENANCE OPERATION	MAINTENANCE INTERVALS	DRIVING CONDITION
Parking brake	I	More frequently	C, D, G, H
Steering gear box, linkage & boots/ lower arm ball joint, upper arm ball joint	I	More frequently	C, D, E, F, G, H, I
Suspension mounting bolts	I	More frequently	C, D, E, F, G, H, I
Drive shafts and boots	I	Every 3,750 miles or 6 months	C, D, E, F, G, H, I
Climate control air filter (for evaporator and blower unit)	R	More frequently	C, E

Severe Driving Conditions

A - Repeatedly driving short distances of less than 5 miles (8 km) in normal temperature or less than 10 miles (16 km) in freezing temperature
B - Extensive engine idling or low speed driving for long distances
C - Driving on rough, dusty, muddy, unpaved, graveled or salt-spread roads
D - Driving in areas using salt or other corrosive materials or in very cold weather
E - Driving in sandy areas
F - Driving in heavy traffic area over 90°F (32°C)
G - Driving on uphill, downhill, or mountain road
H - Towing a Trailer, or using a camper, or roof rack
I - Driving as a patrol car, taxi, other commercial use or vehicle towing
J - Driving over 106 mph (170 km/h)
K - Frequently driving in stop-and-go conditions

DEP
DEALER ePROCESS

EXPLANATION OF SCHEDULED MAINTENANCE ITEMS

Engine Oil and Filter

The engine oil and filter should be changed at the intervals specified in the maintenance schedule. If the car is being driven in severe conditions, more frequent oil and filter changes are required.

Drive Belts

Inspect all drive belts for evidence of cuts, cracks, excessive wear or oil saturation and replace if necessary. Drive belts should be checked periodically for proper tension and adjusted as necessary.

Fuel Filter

A clogged filter can limit the speed at which the vehicle may be driven, damage the emission system and cause multiple issues such as hard starting. If an excessive amount of foreign matter accumulates in the fuel tank, the filter may require replacement more frequently. After installing a new filter, run the engine for several minutes, and check for leaks at the connections. Fuel filters should be installed by an authorized HYUNDAI dealer.

Fuel Lines, Fuel Hoses and Connections

Check the fuel lines, fuel hoses and connections for leakage and damage. Have an authorized HYUNDAI dealer replace any damaged or leaking parts immediately.

Vapor Hose and Fuel Filler Cap

The vapor hose and fuel filler cap should be inspected at those intervals specified in the maintenance schedule. Make sure a new vapor hose or fuel filler cap is correctly replaced.

Air Cleaner Filter

A genuine HYUNDAI air cleaner filter is recommended when the filter is replaced.

Spark Plugs

Make sure to install new spark plugs of the correct heat range.

DEP DEALER ePROCESS

Valve Clearance (if equipped)

Inspect for excessive valve noise and/or engine vibration and adjust if necessary. Have an authorized HYUNDAI dealer perform the operation.

Cooling System

Check cooling system components, such as radiator, coolant reservoir, hoses and connections for leakage and damage. Replace any damaged parts.

Engine Coolant

The coolant should be changed at the intervals specified in the maintenance schedule.

Automatic Transmission Fluid

Automatic transmission fluid should not be checked under normal usage conditions. But in severe conditions, the fluid should be changed at an authorized HYUNDAI dealer in accordance to the scheduled maintenance at the beginning of this chapter.

NOTICE

Automatic transmission fluid color is basically red.

As the vehicle is driven, the automatic transmission fluid will begin to look darker. This is a normal condition and you should not judge the need to replace the fluid based upon the changed color.

⚠ CAUTION

The use of a non-specified fluid could result in transmission malfunction and failure. Use only the specified automatic transmission fluid (refer to "Recommended Lubricants and Capacities" in chapter 8).

Ecoshift dual clutch transmission Fluid

Inspect the Ecoshift dual clutch transmission fluid according to the maintenance schedule.

DEP
DEALER ePROCESS

Brake Hoses and Lines

Visually check for proper installation, chafing, cracks, deterioration and any leakage. Replace any deteriorated or damaged parts immediately.

Brake Fluid

Check brake fluid level in the brake fluid reservoir. The level should be between the MIN and the MAX marks on the side of the reservoir. Use only hydraulic brake fluid conforming to DOT 3 or DOT 4 specification.

Parking Brake

Inspect the parking brake system including the parking brake pedal and cables.

Brake Discs, Pads, Calipers and Rotors

Check the pads for excessive wear, discs for run out and wear, and calipers for fluid leakage.

Exhaust Pipe and Muffler

Visually inspect the exhaust pipes, muffler and hangers for cracks, deterioration, or damage. Start the engine and listen carefully for any exhaust gas leakage. Tighten connections or replace parts as necessary.

Suspension Mounting Bolts

Check the suspension connections for looseness or damage. Retighten to the specified torque.

Steering Gear Box, Linkage & Boots/Lower Arm Ball Joint

With the vehicle stopped and the engine off, check for excessive free-play in the steering wheel. Check the linkage for bends or damage. Check the dust boots and ball joints for deterioration, cracks, or damage.

Replace any damaged parts.

Drive Shafts and Boots

Check the drive shafts, boots and clamps for cracks, deterioration, or damage. Replace any damaged parts and, if necessary, repack the grease.

Air Conditioning Refrigerant

Check the air conditioning lines and connections for leakage and damage.

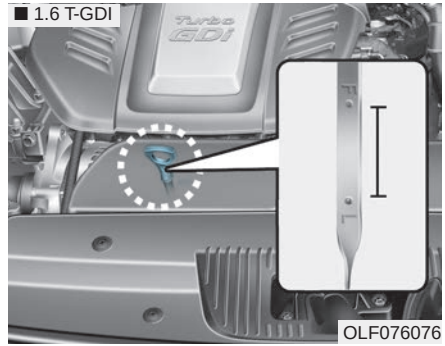
DEP DEALER ePROCESS

ENGINE OIL

Checking the Engine Oil Level

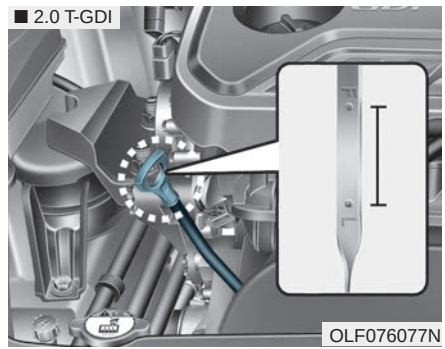
1. Follow all of the oil manufacturer's precautions.
2. Be sure the vehicle is on level ground in P (Park) with the parking brake set and the wheels blocked.
3. Turn the engine on and allow the engine to reach normal operating temperature.
4. Turn the engine off and wait about five minutes for the oil to return to the oil pan.
5. Pull the dipstick out, wipe it clean, and re-insert it fully.

■ 1.6 T-GDI



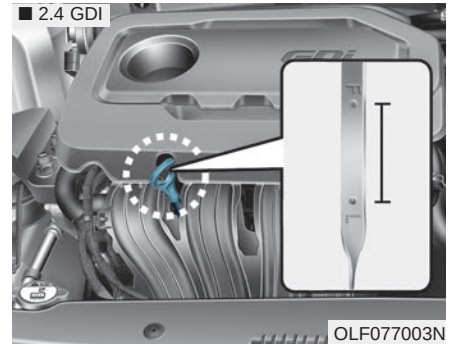
OLF076076

■ 2.0 T-GDI



OLF076077N

■ 2.4 GDI



OLF077003N

6. Pull the dipstick out again and check the level. The level should be between F and L.
7. If it is near or at L, add enough oil to bring the level to F.

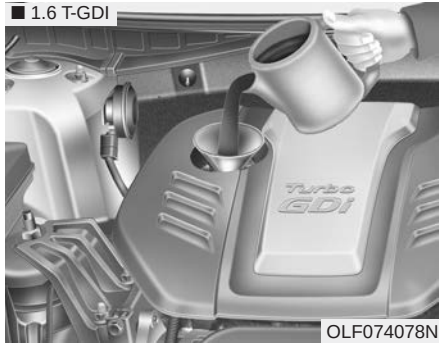
DEP
DEALER ePROCESS

NOTICE

To prevent damage to your engine:

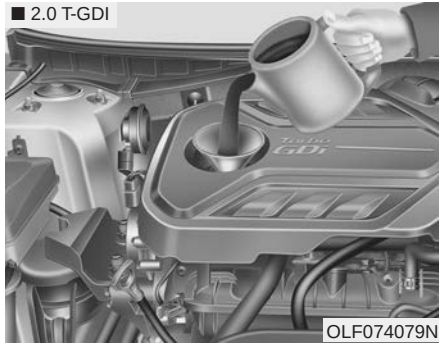
- **Do not overfill with engine oil. Add oil in small quantities and recheck level to ensure engine is not overfilled.**
- **Do not spill engine oil when adding or changing engine oil. Use a funnel to help prevent oil from being spilled on engine components. Wipe off spilled oil immediately**

■ 1.6 T-GDI



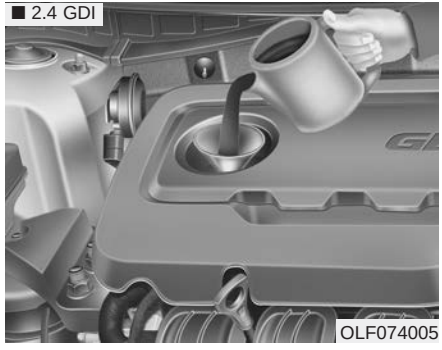
OLF074078N

■ 2.0 T-GDI



OLF074079N

■ 2.4 GDI



OLF074005

NOTICE

Use only the specified engine oil (refer to "Recommended Lubricants and Capacities" in chapter 8).

DEP
DEALER ePROCESS

Checking the Engine Oil and Filter



Have engine oil and filter changed by an authorized HYUNDAI dealer according to the Maintenance Schedule at the beginning of this chapter.

⚠ WARNING

CALIFORNIA PROPOSITION 65 WARNING

Engine oil contains chemicals known to the State of California to cause cancer, birth defects and reproductive harm. Used engine oil may cause irritation or cancer of the skin if left in contact with the skin for prolonged periods of time. Always protect your skin by washing your hands thoroughly with soap and warm water as soon as possible after handling used oil.

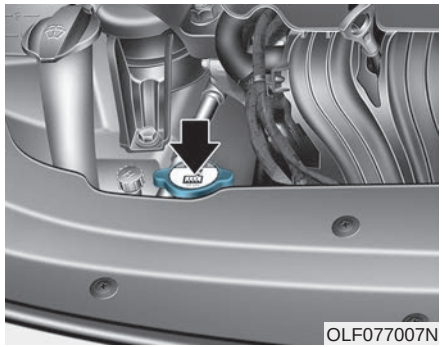
DEP
DEALER ePROCESS

ENGINE COOLANT

The high-pressure cooling system has a reservoir filled with year-round antifreeze coolant. The reservoir is filled at the factory.

Check the antifreeze protection and coolant level at least once a year, at the beginning of the winter season and before traveling to a colder climate.

Checking the Engine Coolant Level



⚠ WARNING

Never remove the radiator cap or the drain plug while the engine and radiator are hot. Hot coolant and steam may blow out under pressure, causing serious injury.

(Continued)

(Continued)

Turn the engine off and wait until the engine cools down. Use extreme care when removing the radiator cap. Wrap a thick towel around it, and turn it counterclockwise slowly to the first stop. Step back while the pressure is released from the cooling system. When you are sure all the pressure has been released, press down on the cap, using a thick towel, and continue turning counterclockwise to remove it.

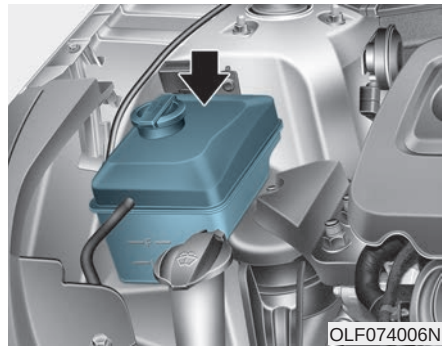
DEP DEALER ePROCESS

⚠ WARNING



The electric motor for the cooling fan may continue to operate or start up when the engine is not running and can cause serious injury. Keep hands, clothing and tools away from the rotating fan blades of the cooling fan.

The electric motor for the cooling fan is controlled by engine coolant temperature, refrigerant pressure and vehicle speed. As the engine coolant temperature decreases, the electric motor will automatically shut off. This is a normal condition. If your vehicle is equipped with GDI, the electric motor for the cooling fan may begin to operate at any time and continue to operate until you disconnect the negative battery cable.



Check the condition and connections of all cooling system hoses and heater hoses. Replace any swollen or deteriorated hoses.

The coolant level should be filled between the F and the L marks on the side of the coolant reservoir when the engine is cool.

If the coolant level is low, add enough distilled (deionized) water to bring the level to the F mark, but do not overfill. If frequent additions are required, we recommend that you see an authorized HYUNDAI dealer for a cooling system inspection.

Recommended engine coolant

- When adding coolant, use only deionized water, distilled water or soft water for your vehicle and never mix hard water in the coolant filled at the factory.
- An improper coolant mixture can result in severe malfunction or engine damage.
- The engine in your vehicle has aluminum engine parts and must be protected by an ethylene-glycol with phosphate based coolant to prevent corrosion and freezing.
- Do not use alcohol or methanol coolant or mix them with the specified coolant.
- Do not use a solution that contains more than 60% antifreeze or less than 35% antifreeze, which would reduce the effectiveness of the solution.

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DEALER ePROCESS

For mixing percentage, refer to the following table:

Ambient Temperature	Mixture Percentage (volume)	
	Antifreeze	Water
5°F (-15°C)	35	65
-13°F (-25°C)	40	60
-31°F (-35°C)	50	50
-49°F (-45°C)	60	40

Information

If in doubt about the mix ratio, a 50% water and 50% antifreeze mix is the easiest to mix together as it will be the same quantity of each. It is suitable to use for most temperature ranges of -31°F and higher.

Changing Engine Coolant

Have coolant changed by an authorized HYUNDAI dealer according to the Maintenance Schedule at the beginning of this chapter.

WARNING

Do not use engine coolant or antifreeze in the washer fluid reservoir.

Engine coolant can severely obscure visibility when sprayed on the windshield and may cause loss of vehicle control resulting in an accident.

Engine coolant may also cause damage to paint and body trim.

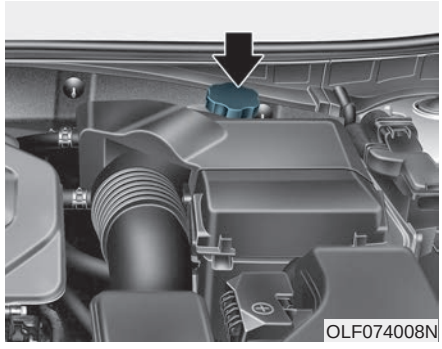
NOTICE

To prevent damage to engine parts, put a thick towel around the radiator cap before refilling the coolant to prevent the coolant from overflowing into engine parts, such as the generator.

DEP DEALER ePROCESS

BRAKE FLUID

Checking the Brake Fluid Level



Check the fluid level in the reservoir periodically. The fluid level should be between MAX and MIN marks on the side of the reservoir.

Before removing the reservoir cap and adding brake fluid, clean the area around the reservoir cap thoroughly to prevent brake fluid contamination.

If the level is low, add the specified brake fluid to the MAX level. The level will fall with accumulated mileage. This is a normal condition associated with the wear of the brake linings. If the fluid level is excessively low, have the brake system checked by an authorized HYUNDAI dealer.

⚠ WARNING

If the brake system requires frequent additions of fluid this could indicate a leak in the brake system. Have the vehicle inspected by an authorized HYUNDAI dealer.

⚠ WARNING

Do not allow brake fluid to come in contact with your eyes. If brake fluid comes in contact with your eyes, flush your eyes with clean water for at least 15 minutes and get immediate medical attention.

NOTICE

- **Do not allow brake fluid to contact the vehicle's body paint, as paint damage will result.**
- **Brake fluid, which has been exposed to open air for an extended time should NEVER be used as its quality cannot be guaranteed. It should be disposed of properly.**
- **Do not use the wrong kind of brake fluid. A few drops of mineral based oil, such as engine oil, in your brake system can damage brake system parts.**

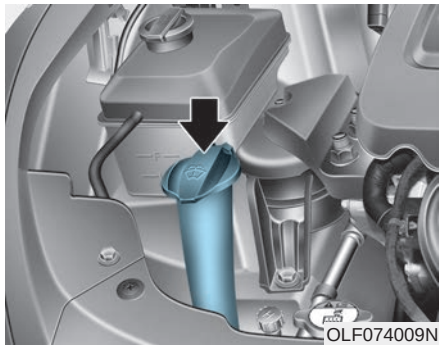
i Information

Use only the specified brake fluid (refer to "Recommended Lubricants and Capacities" in chapter 8).

DEP
DEALER ePROCESS

WASHER FLUID

Checking the Washer Fluid Level


OLF074009N

Check the fluid level in the washer fluid reservoir and add fluid if necessary. Plain water may be used if washer fluid is not available. However, use washer solvent with antifreeze characteristics in cold climates to prevent freezing.

⚠ WARNING

To prevent serious injury or death, take the following safety precautions when using washer fluid:

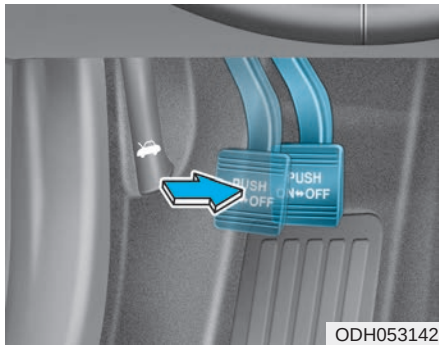
- **Do not use engine coolant or antifreeze in the washer fluid reservoir.**

 Engine coolant can severely obscure visibility when sprayed on the windshield and may cause loss of vehicle control resulting in an accident or damage to paint and body trim.
- **Do not allow sparks or flame to contact the washer fluid or the washer fluid reservoir. Washer fluid may contain alcohol and can be flammable.**
- **Do not drink washer fluid and avoid contact with skin. Washer fluid is poisonous to humans and animals.**
- **Keep washer fluid away from children and animals.**

PARKING BRAKE

Checking the Parking Brake

Foot type


ODH053142

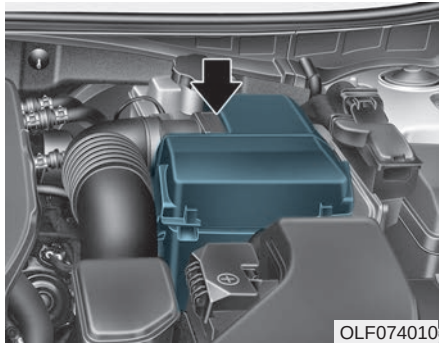
Check whether the stroke is within specification when the parking brake pedal is depressed with 44 lb (20 kg, 196 N) of force. Also, the parking brake alone should securely hold the vehicle on a fairly steep grade. If the stroke is more or less than specified, have the parking brake adjusted by an authorized HYUNDAI dealer.

Stroke : 3 notch

DEP DEALER ePROCESS

AIR CLEANER

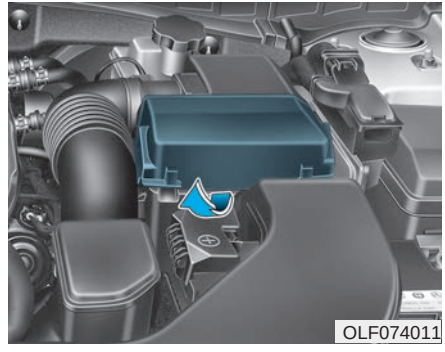
Filter Replacement



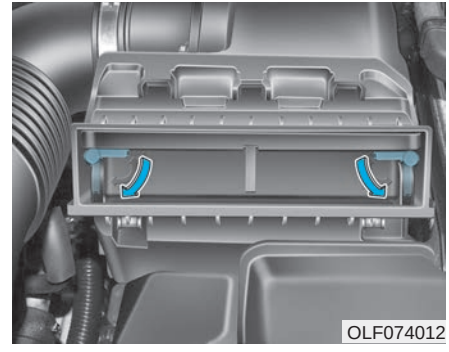
The air cleaner filter can be cleaned for inspection using compressed air.

Do not attempt to wash or to rinse it, as water will damage the filter.

If soiled, the air cleaner filter must be replaced.

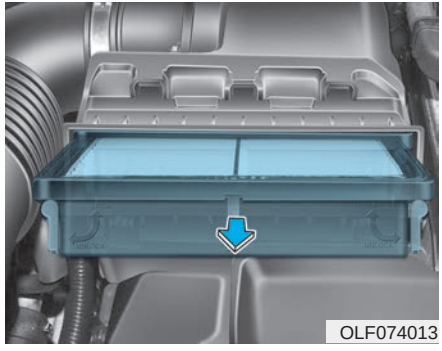


1. Remove the air cleaner filter cover.
2. Wipe the inside of the air cleaner.

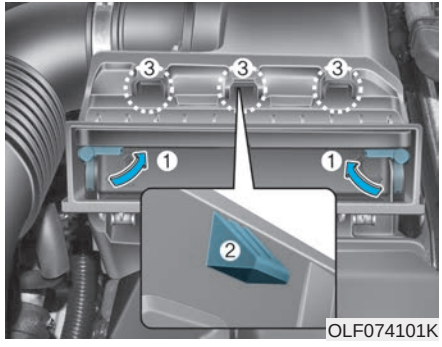


3. Pull down the lever to the UNLOCK position.

DEP
DEALER ePROCESS



4. Replace the air cleaner filter.



5. Pull up the lever (1) to the LOCK position.
6. Install the cover and make sure the inner hooks (2) to be inserted to holes (3).
7. Check if the cover is firmly installed.

Information

If the vehicle is operated in extremely dusty or sandy areas, replace the element more often than the usual recommended intervals (refer to "Maintenance Under Severe Usage Conditions" in this chapter).

NOTICE

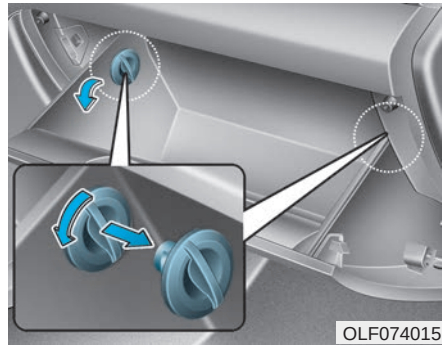
- **Do not drive with the air cleaner filter removed. This will result in excessive engine wear.**
- **When removing the air cleaner filter, be careful that dust or dirt does not enter the air intake, or damage may result.**
- **Use HYUNDAI genuine parts, use of non-genuine parts could damage the air flow sensor.**

DEP
DEALER ePROCESS

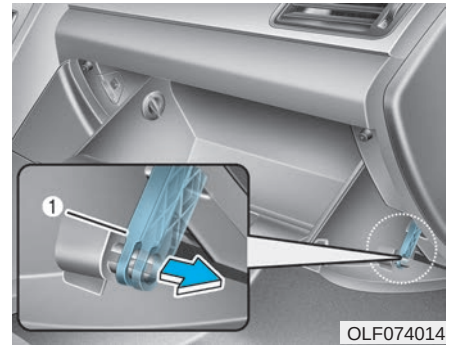
CLIMATE CONTROL AIR FILTER

Filter Inspection

The climate control air filter should be replaced according to the Maintenance Schedule. If the vehicle is operated in severely air-polluted cities or on dusty rough roads for a long period, it should be inspected more frequently and replaced earlier. When you replace the climate control air filter, replace it performing the following procedure, and be careful to avoid damaging other components.

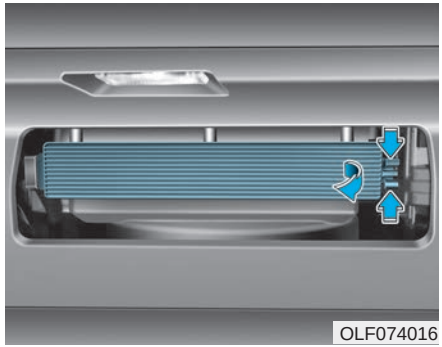


1. With the glove box open, remove the stoppers on both sides to allow the glove box to hang freely on the hinges.

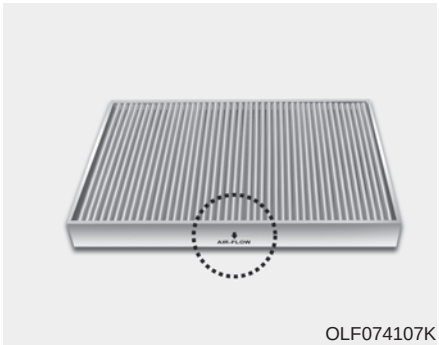


2. Remove the support rod (1).

DEP
DEALER ePROCESS


OLF074016

3. Remove the climate control air filter case by pulling out the right side of the cover.


OLF074107K

4. Replace the climate control air filter.
5. Reassemble in the reverse order of disassembly.

NOTICE

Install a new climate control air filter in the correct direction with the arrow symbol (↓) facing downwards. Otherwise, the climate control effects may decrease, possibly with a noise.

DEP DEALER ePROCESS

WIPER BLADES

Blade Inspection

Contamination of either the windshield or the wiper blades with foreign matter can reduce the effectiveness of the windshield wipers. Common sources of contamination are insects, tree sap, and hot wax treatments used by some commercial car washes. If the blades are not wiping properly, clean both the window and the blades with a clean cloth dampened with washer fluid or clean water.

NOTICE

To prevent damage to the wiper blades, arms or other components, do not:

- **Use gasoline, kerosene, paint thinner, or other solvents on or near them.**
- **Attempt to move the wipers manually.**
- **Use non-specified wiper blades.**

Information

Commercial hot waxes applied by automatic car washes have been known to make the windshield difficult to clean.

Blade Replacement

When the wipers no longer clean adequately, the blades may be worn or cracked, and require replacement.

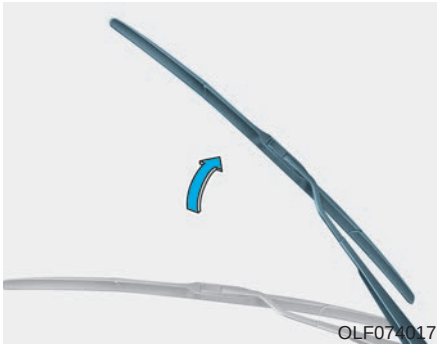
NOTICE

To prevent damage to the wiper arms or other components, do not attempt to move the wipers manually.

NOTICE

The use of a non-specified wiper blade could result in wiper malfunction and failure.

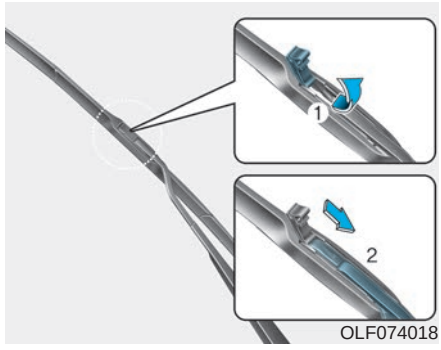
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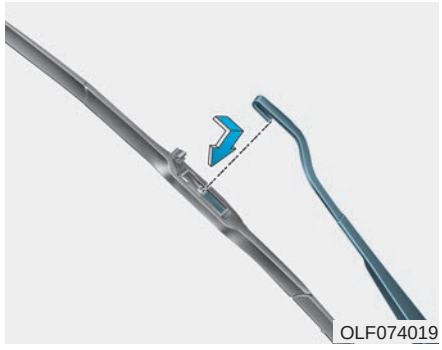
1. Raise the wiper arm.

NOTICE

Do not allow the wiper arm to fall against the windshield, since it may chip or crack the windshield.



2. Lift the wiper blade clip. Then push down the blade body.



3. Install the new blade assembly in the reverse order of removal.
4. Return the wiper arm on the windshield.

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BATTERY

⚠ WARNING

To prevent SERIOUS INJURY or DEATH to you or bystanders, always follow these precautions when working near or handling the battery:



Always read and follow instructions carefully when handling a battery.



Wear eye protection designed to protect the eyes from acid splashes.



Keep all flames, sparks, or smoking materials away from the battery.



Hydrogen is always present in battery cells, is highly combustible, and may explode if ignited.



Keep batteries out of reach of children.

(Continued)

(Continued)



Batteries contain sulfuric acid which is highly corrosive. Do not allow acid to contact your eyes, skin or clothing.

If acid gets into your eyes, flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If acid gets on your skin, thoroughly wash the area. If you feel pain or a burning sensation, get medical attention immediately.

- **When lifting a plastic-cased battery, excessive pressure on the case may cause battery acid to leak. Lift with a battery carrier or with your hands on opposite corners.**
- **Do not attempt to jump start your vehicle if your battery is frozen.**

(Continued)

(Continued)

- **NEVER attempt to recharge the battery when the vehicle's battery cables are connected to the battery.**
- **The electrical ignition system works with high voltage. NEVER touch these components with the engine running or when the ignition is in the ON position.**

DEP
DEALER ePROCESS

⚠ WARNING

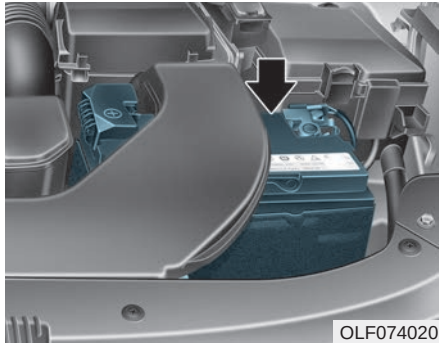
CALIFORNIA PROPOSITION 65 WARNING

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. Wash hands after handling.

NOTICE

- **When you do not use the vehicle for a long time in a low temperature area, disconnect the battery and keep it indoors.**
- **Always charge the battery fully to prevent battery case damage in low temperature areas.**

For Best Battery Service


OLF074020

- Keep the battery securely mounted.
- Keep the battery top clean and dry.
- Keep the terminals and connections clean, tight, and coated with petroleum jelly or terminal grease.
- Rinse any spilled acid from the battery immediately with a solution of water and baking soda.

Battery Recharging

⚠ WARNING

Always follow these instructions when recharging your vehicle's battery to avoid the risk of SERIOUS INJURY or DEATH from explosions or acid burns:

- **Before performing maintenance or recharging the battery, turn off all accessories and place the ignition switch to the LOCK/OFF position.**
- **Keep all flames, sparks, or smoking materials away from the battery.**
- **Always work outdoors or in a well ventilated area.**
- **Wear eye protection when checking the battery during charging.**
- **The battery must be removed from the vehicle and placed in a well ventilated area.**

(Continued)

DEP DEALER ePROCESS

(Continued)

- **Watch the battery during charging, and stop or reduce the charging rate if the battery cells begin boiling violently.**
- **The negative battery cable must be removed first and installed last when the battery is disconnected. Disconnect the battery charger in the following order:**
 (1) Turn off the battery charger main switch.
 (2) Unhook the negative clamp from the negative battery terminal.
 (3) Unhook the positive clamp from the positive battery terminal.
- **Always use a genuine HYUNDAI approved battery when you replace the battery.**

By jump starting

After a jump start from a good battery, idle the vehicle with the headlights turned ON for 20-30 minutes before started driving. The vehicle may not run properly if you drive it off before the battery had a chance to adequately recharge. See "Jump Starting" in chapter 6 for more information on jump starting procedures.

Information



An inappropriately disposed battery can be harmful to the environment and human health.

Dispose the battery according to your local law(s) or regulation.

Reset features

Some items need to be reset after the battery has been discharged or the battery has been disconnected. See chapter 3 for:

- Power Windows
- Trip Computer
- Climate Control System
- Clock
- Audio System
- Sunroof

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TIRES AND WHEELS

⚠ WARNING

Tire failure may cause loss of vehicle control resulting in an accident. To reduce risk of SERIOUS INJURY or DEATH, take the following precautions:

- **Inspect your tires monthly for proper inflation as well as wear and damage.**
- **The recommended cold tire pressure for your vehicle can be found in this manual and on the tire label located on the driver's side center pillar. Always use a tire pressure gauge to measure tire pressure. Tires with too much or too little pressure wear unevenly causing poor handling.**
- **Check the pressure of the spare every time you check the pressure of the other tires on your vehicle.**

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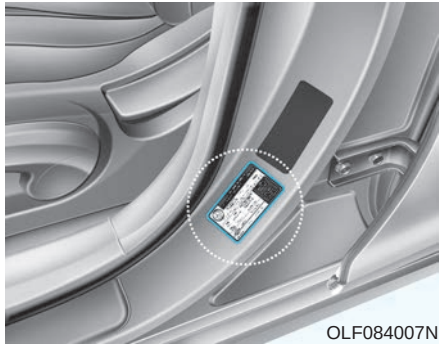
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- **Replace tires that are worn, show uneven wear, or are damaged. Worn tires can cause loss of braking effectiveness, steering) control, or traction.**
- **ALWAYS replace tires with the same size as each tire that was originally supplied with this vehicle. Using tires and wheels other than the recommended sizes could cause unusual handling characteristics, poor vehicle control, or negatively affect your vehicle's Anti-Lock Brake System (ABS) resulting in a serious accident.**

Tire Care

For proper maintenance, safety, and maximum fuel economy, you must always maintain recommended tire inflation pressures and stay within the load limits and weight distribution recommended for your vehicle.

DEP DEALER ePROCESS


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All specifications (sizes and pressures) can be found on a label attached to the driver's side center pillar.

Recommended Cold Tire Inflation Pressures

All tire pressures (including the spare) should be checked when the tires are cold. "Cold tires" means the vehicle has not been driven for at least three hours or driven less than one mile (1.6 km).

Warm tires normally exceed recommended cold tire pressures by 4 to 6 psi (28 to 41 kPa). Do not release air from warm tires to adjust the pressure or the tires will be under-inflated. For recommended inflation pressure, refer to "Tire and Wheels" in chapter 8.

⚠ WARNING

Recommended pressures must be maintained for the best ride, vehicle handling, and minimum tire wear.

Over-inflation or under-inflation can reduce tire life, adversely affect vehicle handling, and lead to sudden tire failure that could result in loss of vehicle control resulting in an accident.

Severe under-inflation can lead to severe heat build-up, causing blowouts, tread separation and other tire failures that can result in the loss of vehicle control resulting in an accident. This risk is much higher on hot days and when driving for long periods at high speeds.

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⚠ CAUTION

- **Under-inflation results in excessive wear, poor handling and reduced fuel economy. Wheel deformation is also possible. Keep your tire pressures at the proper levels. If a tire frequently needs refilling, have it checked by an authorized HYUNDAI dealer.**
- **Over-inflation produces a harsh ride, excessive wear at the center of the tire tread, and a greater possibility of damage from road hazards.**

Check Tire Inflation Pressure

Check your tires, including the spare tire, once a month or more.

How to check

Use a good quality tire pressure gauge to check tire pressure. You can not tell if your tires are properly inflated simply by looking at them. Radial tires may look properly inflated when they are under-inflated.

Remove the valve cap from the tire valve stem. Press the tire gauge firmly onto the valve to get a pressure measurement. If the cold tire inflation pressure matches the recommended pressure on the tire and loading information label, no further adjustment is necessary. If the pressure is low, add air until you reach the recommended pressure. Make sure to put the valve caps back on the valve stems. Without the valve cap, dirt or moisture could get into the valve core and cause air leakage. If a valve cap is missing, install a new one as soon as possible.

If you overfill the tire, release air by pushing on the metal stem in the center of the tire valve. Recheck the tire pressure with the tire gauge. Be sure to put the valve caps back on the valve stems. Without the valve cap, dirt or moisture could get into the valve core and cause air leakage. If a valve cap is missing, install a new one as soon as possible.

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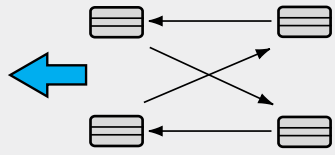
Tire Rotation

To equalize tread wear, HYUNDAI recommends that the tires be rotated every 7,500 miles (12,000 km) or sooner if irregular wear develops.

During rotation, check the tires for correct balance.

When rotating tires, check for uneven wear and damage. Abnormal wear is usually caused by incorrect tire pressure, improper wheel alignment, out-of-balance wheels, severe braking or severe cornering. Look for bumps or bulges in the tread or side of tire. Replace the tire if you find either of these conditions. Replace the tire if fabric or cord is visible. After rotation, be sure to bring the front and rear tire pressures to specification and check lug nut tightness (proper torque is 79-94 lb.ft [11-13 kg.m]).

■ Without a spare tire



ODH073802

Disc brake pads should be inspected for wear whenever tires are rotated.

Information

The outside and inside of the unsymmetrical tire is distinguishable. When installing an unsymmetrical tire, be sure to install the side marked "outside" face the outside. If the side marked "inside" is installed on the outside, it will have a bad effect on vehicle performance.

⚠ WARNING

- **Do not use the compact spare tire for tire rotation.**
- **Do not mix bias ply and radial ply tires under any circumstances. This may cause unusual handling characteristics that may cause loss of vehicle control resulting in an accident.**

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Wheel Alignment and Tire Balance

The wheels on your vehicle were aligned and balanced carefully at the factory to give you the longest tire life and best overall performance.

In most cases, you will not need to have your wheels aligned again. However, if you notice unusual tire wear or your vehicle pulling one way or the other, the alignment may need to be reset.

If you notice your vehicle vibrating when driving on a smooth road, your wheels may need to be rebalanced.

NOTICE

Improper wheel weights can damage your vehicle's aluminum wheels. Use only approved wheel weights.

Tire Replacement



If the tire is worn evenly, a tread wear indicator will appear as a solid band across the tread. This shows there is less than 1/16 inch (1.6 mm) of tread left on the tire. Replace the tire when this happens.

Do not wait for the band to appear across the entire tread before replacing the tire.

⚠ WARNING

To reduce the risk of DEATH or SERIOUS INJURY:

- **Replace tires that are worn, show uneven wear, or are damaged. Worn tires can cause loss of braking effectiveness, steering control, and traction.**
- **Always replace tires with the same size as each tire that was originally supplied with this vehicle. Using tires and wheels other than the recommended sizes could cause unusual handling characteristics, poor vehicle control, or negatively affect your vehicle's Anti-Lock Brake System (ABS) resulting in a serious accident.**

(Continued)

DEP DEALER ePROCESS

(Continued)

- **When replacing tires (or wheels), it is recommended to replace the two front or two rear tires (or wheels) as a pair. Replacing just one tire can seriously affect your vehicle's handling.**
- **Tires degrade over time, even when they are not being used. Regardless of the remaining tread, HYUNDAI recommends that tires be replaced after six (6) years of normal service.**
- **Heat caused by hot climates or frequent high loading conditions can accelerate the aging process. Failure to follow this warning may cause sudden tire failure, which could lead to a loss of vehicle control resulting in an accident.**

Compact spare tire replacement

A compact spare tire has a shorter tread life than a regular size tire. Replace it when you can see the tread wear indicator bars on the tire. The replacement compact spare tire should be the same size and design tire as the one provided with your new vehicle and should be mounted on the same compact spare tire wheel. The compact spare tire is not designed to be mounted on a regular size wheel, and the compact spare tire wheel is not designed for mounting a regular size tire.

⚠ WARNING

The original tire should be repaired or replaced as soon as possible to avoid failure of the spare and loss of vehicle control resulting in an accident. The compact spare tire is for emergency use only. Do not operate your vehicle over 50 mph (80 km/h) when using the compact spare tire.

Wheel Replacement

When replacing the metal wheels for any reason, make sure the new wheels are equivalent to the original factory units in diameter, rim width and offset.

Tire Traction

Tire traction can be reduced if you drive on worn tires, tires that are improperly inflated or on slippery road surfaces. Tires should be replaced when tread wear indicators appear. To reduce the possibility of losing control, slow down whenever there is rain, snow or ice on the road.

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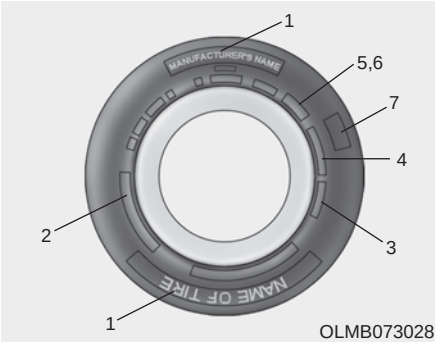
Tire Maintenance

In addition to proper inflation, correct wheel alignment helps to decrease tire wear. If you find a tire is worn unevenly, have your dealer check the wheel alignment.

When you have new tires installed, make sure they are balanced. This will increase vehicle ride comfort and tire life. Additionally, a tire should always be rebalanced if it is removed from the wheel.

Tire Sidewall Labeling

This information identifies and describes the fundamental characteristics of the tire and also provides the tire identification number (TIN) for safety standard certification. The TIN can be used to identify the tire in case of a recall.



1. Manufacturer or brand name

Manufacturer or brand name is shown.

2. Tire size designation

A tire's sidewall is marked with a tire size designation. You will need this information when selecting replacement tires for your car. The following explains what the letters and numbers in the tire size designation mean.

Example tire size designation:

(These numbers are provided as an example only; your tire size designator could vary depending on your vehicle.)

205/65R16 95H

205 - Tire width in millimeters.

65 - Aspect ratio. The tire's section height as a percentage of its width.

R - Tire construction code (Radial).

16 - Rim diameter in inches.

95 - Load Index, a numerical code associated with the maximum load the tire can carry.

H - Speed Rating Symbol. See the speed rating chart in this section for additional information.

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Wheel size designation

Wheels are also marked with important information that you need if you ever have to replace one. The following explains what the letters and numbers in the wheel size designation mean.

Example wheel size designation:

6.5JX16

6.5 - Rim width in inches.

J - Rim contour designation.

16 - Rim diameter in inches.

Tire speed ratings

The chart below lists many of the different speed ratings currently being used for passenger car tires. The speed rating is part of the tire size designation on the sidewall of the tire. This symbol corresponds to that tire's designed maximum safe operating speed.

Speed Rating Symbol	Maximum Speed
S	112 mph (180 km/h)
T	118 mph (190 km/h)
H	130 mph (210 km/h)
V	149 mph (240 km/h)
Z	Above 149 mph (240 km/h)

3. Checking tire life (TIN : Tire Identification Number)

Any tires that are over six years old, based on the manufacturing date, (including the spare tire) should be replaced by new ones. You can find the manufacturing date on the tire sidewall (possibly on the inside of the wheel), displaying the DOT Code. The DOT Code is a series of numbers on a tire consisting of numbers and English letters. The manufacturing date is designated by the last four digits (characters) of the DOT code.

DOT : XXXX XXXX OOOO

The front part of the DOT means a plant code number, tire size and tread pattern and the last four numbers indicate week and year manufactured.

For example:

DOT XXXX XXXX 1618 represents that the tire was produced in the 16th week of 2018.

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4. Tire ply composition and material

The number of layers or plies of rubber-coated fabric in the tire. Tire manufacturers also must indicate the materials in the tire, which include steel, nylon, polyester, and others. The letter "R" means radial ply construction; the letter "D" means diagonal or bias ply construction; and the letter "B" means belted-bias ply construction.

5. Maximum permissible inflation pressure

This number is the greatest amount of air pressure that should be put in the tire. Do not exceed the maximum permissible inflation pressure. Refer to the Tire and Loading Information label for recommended inflation pressure.

6. Maximum load rating

This number indicates the maximum load in kilograms and pounds that can be carried by the tire. When replacing the tires on the vehicle, always use a tire that has the same load rating as the factory installed tire.

7. Uniform tire quality grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example:

TREAD wear 200

TRACTION AA

TEMPERATURE A

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one-and-a-half times (1½) as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

These grades are molded on the sidewalls of passenger vehicle tires. The tires available as standard or optional equipment on your vehicle may vary with respect to grade.

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Traction - AA, A, B & C

The traction grades, from highest to lowest, are AA, A, B and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

⚠ WARNING

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature - A, B & C

The temperature grades are A (the highest), B and C representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. Grade C responds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

⚠ WARNING

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, under-inflation, over-inflation, or excessive loading, either separately or in combination, can cause heat build-up and possible sudden tire failure. This may cause loss of vehicle control resulting in an accident.

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Tire Terminology and Definitions

Air Pressure

The amount of air inside the tire pressing outward on the tire. Air pressure is expressed in pounds per square inch (psi) or kilopascal (kPa).

Accessory Weight

This means the combined weight of optional accessories. Some examples of optional accessories are automatic transmission, power seats, and air conditioning.

Aspect Ratio

The relationship of a tire's height to its width.

Belt

A rubber coated layer of cords that is located between the plies and the tread. Cords may be made from steel or other reinforcing materials.

Bead

The tire bead contains steel wires wrapped by steel cords that hold the tire onto the rim.

Bias Ply Tire

A pneumatic tire in which the plies are laid at alternate angles less than 90 degrees to the centerline of the tread.

Cold Tire Pressure

The amount of air pressure in a tire, measured in pounds per square inch (psi) or kilopascals (kPa) before a tire has built up heat from driving.

Curb Weight

This means the weight of a motor vehicle with standard and optional equipment including the maximum capacity of fuel, oil and coolant, but without passengers and cargo.

DOT Markings

A code molded into the sidewall of a tire signifying that the tire is in compliance with the U.S. Department of Transportation motor vehicle safety standards. The DOT code includes the Tire Identification Number (TIN), an alphanumeric designator which can also identify the tire manufacturer, production plant, brand and date of production.

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GVWR

Gross Vehicle Weight Rating

GAWR FRT

Gross Axle Weight Rating for the Front Axle.

GAWR RR

Gross Axle Weight Rating for the Rear axle.

Intended Outboard Sidewall

The side of an asymmetrical tire, that must always face outward when mounted on a vehicle.

Kilopascal (kPa)

The metric unit for air pressure.

Light truck(LT) tire

A tire designated by its manufacturer as primarily intended for use on light-weight trucks or multipurpose passenger vehicles.

Load ratings

The maximum load that a tire is rated to carry for a given inflation pressure.

Load Index

An assigned number ranging from 1 to 279 that corresponds to the load carrying capacity of a tire.

Maximum Inflation Pressure

The maximum air pressure to which a cold tire may be inflated. The maximum air pressure is molded onto the sidewall.

Maximum Load Rating

The load rating for a tire at the maximum permissible inflation pressure for that tire.

Maximum Loaded Vehicle Weight

The sum of curb weight; accessory weight; vehicle capacity weight; and production options weight.

Normal Occupant Weight

The number of occupants a vehicle is designed to seat multiplied by 150 pounds (68 kg).

Occupant Distribution

Designated seating positions.

Outward Facing Sidewall

An asymmetrical tire has a particular side that faces outward when mounted on a vehicle. The outward facing sidewall bears white lettering or bears manufacturer, brand, and/or model name molding that is higher or deeper than the same moldings on the inner facing sidewall.

Passenger (P-Metric) tire

A tire used on passenger cars and some light duty trucks and multipurpose vehicles.

Ply

A layer of rubber-coated parallel cords

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Pneumatic tire

A mechanical device made of rubber, chemicals, fabric and steel or other materials, that, when mounted on an automotive wheel provides the traction and contains the gas or fluid that sustains the load.

Pneumatic options weight

The combined weight of installed regular production options weighing over 5lb. (2.3kg) in excess of the standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty breaks, ride levelers, roof rack, heavy duty battery, and special trim.

Recommended Inflation Pressure

Vehicle manufacturer's recommended tire inflation pressure as shown on the tire placard.

Radial Ply Tire

A pneumatic tire in which the ply cords that extend to the beads are laid at 90 degrees to the centerline of the tread.

Rim

A metal support for a tire and upon which the tire beads are seated.

Sidewall

The portion of a tire between the tread and the bead.

Speed Rating

An alphanumeric code assigned to a tire indicating the maximum speed at which a tire can operate.

Traction

The friction between the tire and the road surface. The amount of grip provided.

Tread

The portion of a tire that comes into contact with the road.

Treadwear Indicators

Narrow bands, sometimes called "wear bars", that show across the tread of a tire when only 1/16 inch of tread remains.

UTQGS

Uniform Tire Quality Grading Standards is a tire information system that provides consumers with ratings for a tire's traction, temperature and treadwear. Ratings are determined by tire manufacturers using government testing procedures. The ratings are molded into the sidewall of the tire.

Vehicle Capacity Weight

The number of designated seating positions multiplied by 150 lbs. (68 kg) plus the rated cargo and luggage load.

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Vehicle Maximum Load on the Tire

Load on an individual tire due to curb and accessory weight plus maximum occupant and cargo weight.

Vehicle Normal Load on the Tire

Load on an individual tire that is determined by distributing to each axle its share of the curb weight, accessory weight, and normal occupant weight and dividing by 2.

Vehicle Placard

A label permanently attached to a vehicle showing the original equipment tire size and recommended inflation pressure.

All Season Tires

HYUNDAI specifies all season tires on some models to provide good performance for use all year round, including snowy and icy road conditions. All season tires are identified by ALL SEASON and/or M+S (Mud and Snow) on the tire sidewall. Snow tires have better snow traction than all season tires and may be more appropriate in some areas.

Summer Tires

HYUNDAI specifies summer tires on some models to provide superior performance on dry roads. Summer tire performance is substantially reduced in snow and ice. Summer tires do not have the tire traction rating M+S (Mud and Snow) on the tire side wall. If you plan to operate your vehicle in snowy or icy conditions, HYUNDAI recommends the use of snow tires or all season tires on all four wheels.

Snow Tires

If you equip your car with snow tires, they should be the same size and have the same load capacity as the original tires. Snow tires should be installed on all four wheels; otherwise, poor handling may result. Snow tires should carry 4 psi (28 kPa) more air pressure than the pressure recommended for the standard tires on the tire label on the driver's side of the center pillar, or up to the maximum pressure shown on the tire sidewall, whichever is less. Do not drive faster than 75 mph (120 km/h) when your vehicle is equipped with snow tires.

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Radial-Ply Tires

Radial-ply tires provide improved tread life, road hazard resistance and smoother high speed ride. The radial-ply tires used on this vehicle are of belted construction, and are selected to complement the ride and handling characteristics of your vehicle. Radial-ply tires have the same load carrying capacity, as bias-ply or bias belted tires of the same size, and use the same recommended inflation pressure. Mixing of radial-ply tires with bias-ply or bias belted tires is not recommended. Any combinations of radial-ply and bias-ply or bias belted tires when used on the same vehicle will seriously deteriorate vehicle handling. The best rule to follow is: Identical pairs of radial-ply tires should always be used as a set for the front tires and a set for the rear tires.

Longer wearing tires can be more susceptible to irregular tread wear. It is very important to follow the tire rotation interval in this chapter to achieve the tread life potential of these tires. Cuts and punctures in radial-ply tires are repairable only in the tread area, because of sidewall flexing. Consult your tire dealer for radial-ply tire repairs.

⚠ WARNING

Do not mix bias ply and radial ply tires under any circumstances. This may cause unusual handling characteristics that may cause loss of vehicle control resulting in an accident.

Low Aspect Ratio Tires

Low aspect ratio tires, the aspect ratio is lower than 50, are provided for sporty looks.

Because low aspect ratio tires are optimized for handling and braking, it may be more uncomfortable to ride in and there is more noise compare with normal tires.

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⚠ CAUTION

Because the sidewall of the low aspect ratio tire is shorter than the normal, the wheel and tire of the low aspect ratio tire is easier to be damaged. So, follow the instructions below.

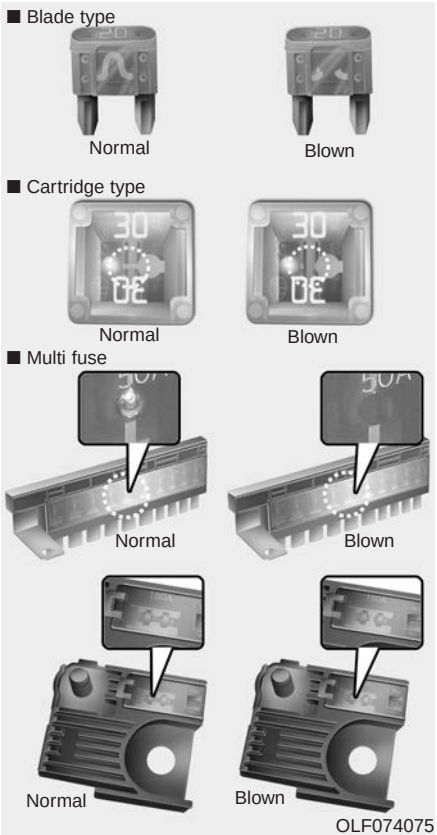
- When driving on a rough road or off road, drive cautiously because tires and wheels may be damaged. And after driving, inspect tires and wheels.
- When passing over a pothole, speed bump, manhole, or curb stone, drive slowly so that the tires and wheels are not damaged.
 - If the tire is impacted, we recommend that you inspect the tire condition or contact an authorized HYUNDAI dealer.
- To prevent damage to the tire, inspect the tire condition and pressure every 1,800 miles (3,000km).

⚠ CAUTION

- It is not easy to recognize tire damage with your own eyes. But if there is the slightest hint of tire damage, have the tire checked or replaced because the tire damage may cause air leakage from the tire.
- If the tire is damaged by driving on a rough road, off road, pothole, manhole, or curb stone, it will not be covered by the warranty.

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FUSES



A vehicle's electrical system is protected from electrical overload damage by fuses.

This vehicle has 2 (or 3) fuse panels, one located in the driver's side panel bolster, the other in the engine compartment near the battery.

If any of your vehicle's lights, accessories, or controls do not work, check the appropriate circuit fuse. If a fuse has blown, the element inside the fuse will be melted or broken.

If the electrical system does not work, first check the driver's side fuse panel. Before replacing a blown fuse, turn the engine and all switches off, and then disconnect the negative battery cable. Always replace a blown fuse with one of the same rating.

If the replacement fuse blows, this indicates an electrical problem. Avoid using the system involved and immediately consult an authorized HYUNDAI dealer.

NOTICE

The actual fuse/relay panel label may differ from equipped items.

i Information

Three kinds of fuses are used: blade type for lower amperage rating, cartridge type, and fusible link for higher amperage ratings.

⚠ WARNING

NEVER replace a fuse with anything but another fuse of the same rating.

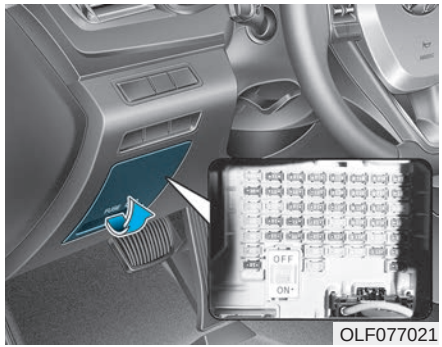
- **A higher capacity fuse could cause damage and possibly cause a fire.**
- **Do not install a wire or aluminum foil instead of the proper fuse - even as a temporary repair. It may cause extensive wiring damage and possibly a fire.**

⚠ CAUTION

Do not use a screwdriver or any other metal object to remove fuses because it may cause a short circuit and damage the system.

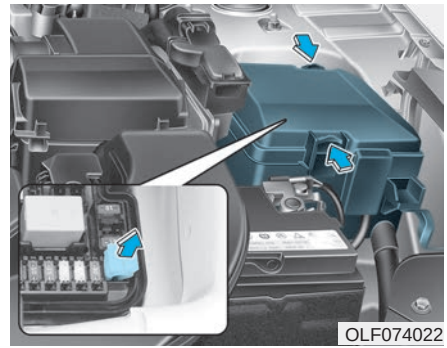
DEP DEALER ePROCESS

Instrument Panel Fuse Replacement



OLF077021

1. Turn the engine off.
2. Turn all other switches OFF.
3. Open the fuse panel cover.
4. Refer to the label on the inside of the fuse panel cover to locate the suspected fuse location.


OLF074022

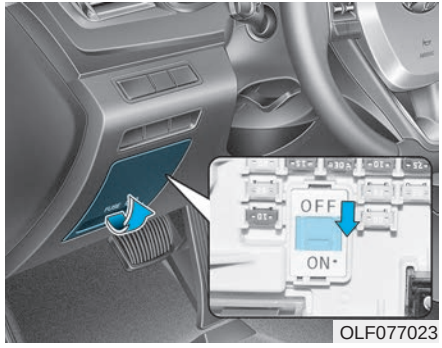
5. Pull the suspected fuse straight out. Use the removal tool provided in the engine compartment fuses panel.
6. Check the removed fuse; replace it if it is blown. Spare fuses are provided in the instrument panel fuse panels (or in the engine compartment fuse panel).
7. Push in a new fuse of the same rating, and make sure it fits tightly in the clips. If it fits loosely, consult an authorized HYUNDAI dealer.

In an emergency, if you do not have a spare fuse, use a fuse of the same rating from a circuit you may not need for operating the vehicle, such as the cigarette lighter fuse.

If the headlamps or other electrical components do not work and the fuses are OK, check the fuse panel in the engine compartment. If a fuse is blown, it must be replaced with the same rating.

DEP
DEALER ePROCESS

Fuse switch

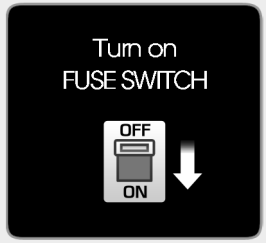


OLF077023

Always, place the fuse switch to the ON position.

If you move the switch to the OFF position, some items such as the audio system and digital clock must be reset and the smart key may not work properly.

Information



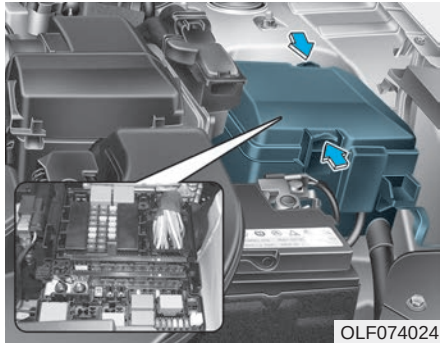
OLF044148L

If the fuse switch is OFF, the above message will appear.

NOTICE

- **Always place the fuse switch in the ON position while driving the vehicle.**
- **Do not move the transportation fuse switch repeatedly. The fuse switch may be damaged.**

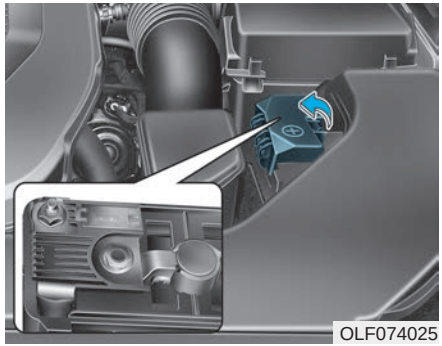
Engine Compartment Panel Fuse Replacement


OLF074024

1. Turn the engine off.
2. Turn all other switches OFF.
3. Remove the fuse panel cover by pressing the tap and pulling up.
4. Check the removed fuse; replace it if it is blown. To remove or insert the fuse, use the fuse puller in the engine compartment fuse panel.
5. Push in a new fuse of the same rating, and make sure it fits tightly in the clips. If it fits loosely, consult an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS

Main fuse


OLF074025

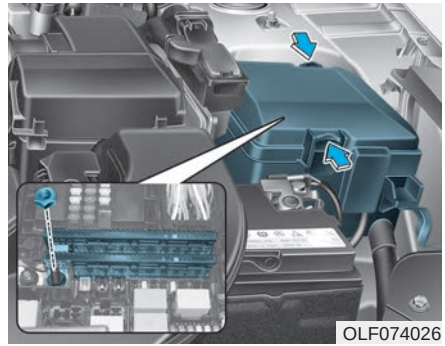
If the main fuse is blown, it must be removed as follows:

1. Turn off the engine.
2. Disconnect the negative battery cable.
3. Remove the fuse panel cover by pressing the tab and pulling it up.
4. Remove the nuts shown in the picture above.
5. Replace the fuse with a new one of the same rating.
6. Reinstall in the reverse order of removal.

Information

If the main fuse is blown, consult an authorized HYUNDAI dealer.

Multi fuse


OLF074026

If the multi fuse is blown, it must be removed as follows:

1. Turn off the engine.
2. Disconnect the negative battery cable.
3. Remove the fuse panel cover by pressing the tab and pulling it up.
4. Remove the nuts shown in the picture above.
5. Replace the fuse with a new one of the same rating.
6. Reinstall in the reverse order of removal.

Information

If the multi fuse is blown, consult an authorized HYUNDAI dealer.

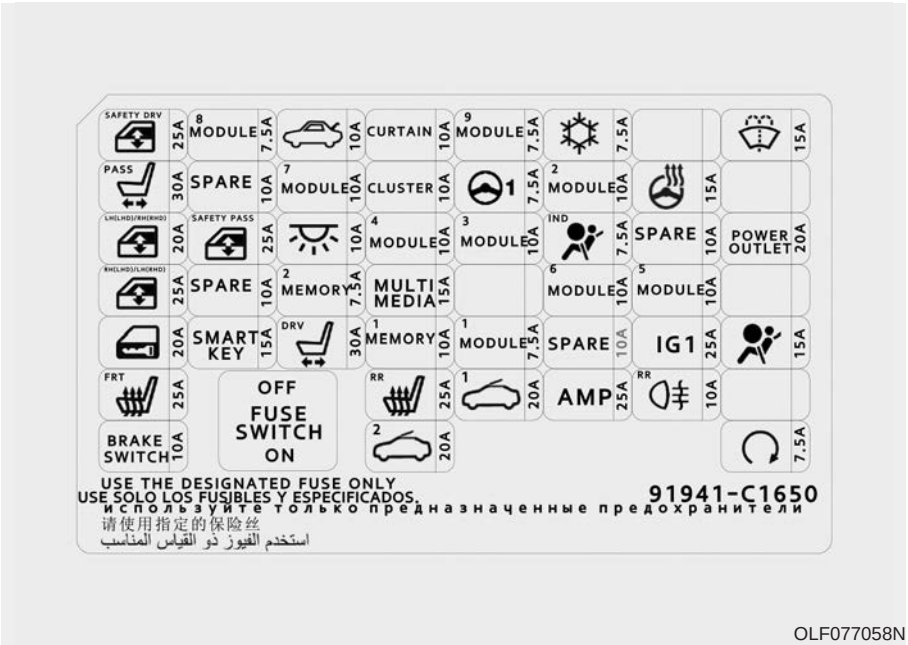
DEP
DEALER ePROCESS

Fuse/Relay Panel Description

Instrument panel fuse panel



Inside the fuse/relay box cover, you can find the fuse/relay label describing fuse/relay name and capacity.



OLF077058N

Information

Not all fuse panel descriptions in this manual may be applicable to your vehicle; the information is accurate at the time of printing. When you inspect the fuse box on your vehicle, refer to the fuse box label.

DEP DEALER ePROCESS

Instrument panel fuse panel

Fuse Name	Fuse rating	Protected Component
SAFETY WINDOW LH	25A	Driver Safety Power Window Module
P/SEAT PASS	30A	Passenger Seat Manual Switch
P/WDW LH	20A	Power Window Main Switch, Rear Power Window Module LH
P/WDW RH	25A	Power Window Main Switch, Rear Power Window Module RH, Passenger Door Module, Passenger Power Window Switch
DR LOCK	20A	Door Lock Relay, Door Unlock Relay
S/HEATER FRT	25A	Front Air Ventilation Seat Module, Front Seat Warmer Module
BRAKE SWITCH	10A	Stop Lamp Switch, Immobilizer Module, Smart Key Control Module
[8] MODULE	7.5A	BCM, Smart Key Control Module
SAFETY POWER WINDOW RH	25A	Passenger Safety Power Window Module
SMART KEY	15A	Smart Key Control Module
TRUNK	10A	Trunk Lid Relay, Fuel Filler Door & Trunk Lid Switch
[7] MODULE	10A	Digital Clock, Driver/Passenger Door Module
INTERIOR LAMP	10A	Ignition Key Ill. & Door Warning Switch, Front Vanity Lamp Switch LH/RH, Overhead Console Lamp, Room Lamp, Rear Personal Lamp LH/RH, Trunk Room Lamp, Driver/Passenger Smart Key Outside Handle
[2] MEMORY	7.5A	Not used
P/SEAT DRV	30A	Driver Seat Manual Switch, Driver IMS Module
CLUSTER	10A	Instrument Cluster

DEP
DEALER ePROCESS

Instrument panel fuse panel

Fuse Name	Fuse rating	Protected Component
[4] MODULE	10A	Immobilizer Module, Smart Key Control Module
MULTI MEDIA	15A	A/V & Navigation Head Unit
[1] MEMORY	10A	Driver/Passenger Door Module, Driver IMS Module, A/C Control Module, Auto Light & Photo Sensor, Electro Chromic Mirror, Instrument Cluster, Tire Pressure Monitoring Module, Digital Clock, Wireless Charger, A/V & Navigation Head Unit
S/HEATER RR	25A	Rear Seat Warmer Module
[2] SUN ROOF	20A	Panoramic Sunroof Motor
[9] MODULE	7.5A	Front Air Ventilation Seat Module, Front Seat Warmer Module, Rear Seat Warmer Module
MDPS	7.5A	MDPS Unit (Column Type/Rack Type)
[3] MODULE	10A	BCM, Sport Mode Switch, Stop Lamp Switch
[1] MODULE	7.5A	Key Solenoid, Driver/Passenger Door Module
[1] SUN ROOF	20A	[With Panorama] Panorama Sunroof Motor [W/O Panorama] Sunroof Motor
A/CON	7.5A	A/C Control Module, E/R Junction Block (Blower Relay)
[2] MODULE	10A	A/V & Navigation Head Unit, Digital Clock, USB Charger, BCM, AMP, Power Outside Mirror Switch, Wireless Charger, Smart Key Control Module, Overhead Console Lamp, E/R Junction Block (Power Outlet Relay)
A/BAG IND	7.5A	Instrument Cluster
[6] MODULE	10A	Multipurpose Check Connector, A/C Control Module, A/V & Navigation Head Unit, Front Air Ventilation Seat Module, Front Seat Warmer Module, Rear Seat Warmer Module, Driver IMS Module, Head Lamp LH/RH (DBL), A/T Shift Lever IND.
AMP	25A	AMP (JBL/MOBIS)

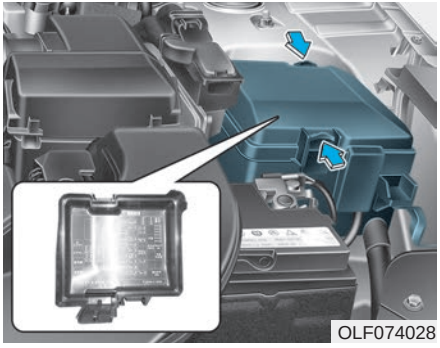
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DEALER ePROCESS

Instrument panel fuse panel

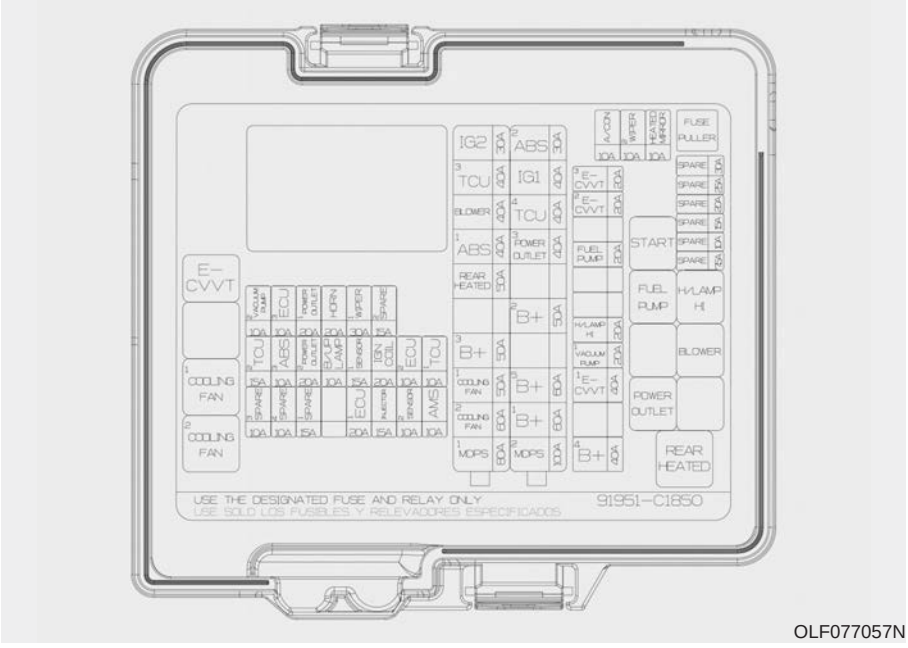
Fuse Name	Fuse rating	Protected Component
HTD STRG	15A	BCM
[5] MODULE	10A	Front Console Switch, Tire Pressure Monitoring Module, Lane Keeping Assist Module, Smart Cruise Control Unit, Fuel Filler Door & Trunk Lid Switch, AEB Module, Head Lamp LH/RH (DBL), Rear Parking Assist Sensor LH/RH, Rear Parking Assist Sensor LH/RH (Center), Blind Spot Detection Radar LH/RH
IG1	25A	PCB Block (Fuse - VACUUM PUMP2/ TCU2/ ECU3/ ABS3)
WASHER	15A	Multifunction Switch (Wiper Low & Washer Switch)
POWER OUTLET	20A	Front Power Outlet
A/BAG	15A	SRS Control Module, Occupant Detection Sensor
START	7.5A	[W/O Smart Key & IMMO.] ICM Relay Box (Burglar Alarm Relay) [With Smart Key / IMMO.] Transaxle Range Switch, PCM (G4KJ/G4KH)
[10] MODULE	10A	BCM

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DEALER ePROCESS

Engine compartment fuse panel


OLF074028

Inside the fuse/relay box cover, you can find the fuse/relay label describing fuse/relay name and capacity.



OLF077057N

Information

Not all fuse panel descriptions in this manual may be applicable to your vehicle; the information is accurate at the time of printing. When you inspect the fuse panel in your vehicle, refer to the fuse panel label.

DEP DEALER ePROCESS

Engine compartment main fuse panel

Fuse Name		Fuse rating	Protected Component
MULTI FUSE (TYPE A)	IG2	30A	[Without Smart Key] (Start Relay), Ignition Switch, [With Smart Key] (Start Relay), PCB Block (IG2 Relay)
	[3] TCU	40A	[G4FJ - DCT] TCM
	BLOWER	40A	(Blower Relay)
	[1] ABS	40A	ESC Module
	REAR HEATED	50A	(Rear Heated Relay)
	[1] B+	50A	Smart Junction Block (IPS2 (4CH), IPS3 (4CH))
	[1] COOLING FAN	50A	[G4KH/G4FJ] (Cooling Fan Relay), [G4KJ] (Cooling Fan Relay)
	[2] COOLING FAN	60A	[G4KH/G4FJ] (Cooling Fan Relay)
	[1] MDPS	80A	MDPS Unit (Column Type)
MULTI FUSE (TYPE B)	[2] ABS	30A	ESC Module, Multipurpose Check Connector
	IG1	40A	[Without Smart Key] Ignition Switch, [With Smart Key] PCB Block (IG1/ACC Relay)
	[4] TCU	40A	[G4FJ - DCT] TCM
	[3] POWER OUTLET	40A	(Power Outlet Relay)
	[2] B+	50A	Smart Junction Block (IPS1 (4CH), IPS4 (4CH), IPS5 (4CH), IPS6 (2CH), IPS7 (1CH), Fuse - AMP)
	[5] B+	60A	PCB Block (Engine Control Relay, Fuse - TUC1, ECU1, HORN, AMS, WIPER)
	[1] B+	60A	Smart Junction Block (Power Window Relay, Fuse - SAFETY POWER WINDOW LH, P/SEAT PASS,SAFETY POWER WINDOW RH, P/SEAT DRV, MODULE1, P/WDW LH, P/WDW RH, TRUNK, S/HEATER RR, SUNROOF2, SUNROOF1)
	[2] MDPS	100A	MDPS Unit (Rack Type)

DEP
DEALER ePROCESS

Engine compartment main fuse panel

Fuse Name		Fuse rating	Protected Component
FUSE	[3] E-CVVT	20A	[G4KJ/G4KH] PCM
	[2] E-CVVT	20A	[G4KJ/G4KH] PCM
	FUEL PUMP	20A	(Fuel Pump Relay)
	H/LAMP HI	20A	[With HID] (Head Lamp High Relay)
	[1] VACUUM PUMP	20A	[G4KH/G4FJ] Vacuum Pump
	[1] E-CVVT	40A	[G4KJ/G4KH] (E-CVVT Relay)
	[4] B+	40A	Smart Junction Block (Leak Current Auto-cut Device Fuse - INTERIOR LAMP, MULTI MEDIA, MEMORY1, Fuse - DOOR LOCK, S/HEATER FR, BRAKE SWITCH, SMART KEY, MODULE10)
	A/CON	10A	A/C Control Module
	HEATED MIRROR	10A	ECM (G4FJ), A/C Control Module, Drover/Passenger Power Outside Mirror

DEP DEALER ePROCESS

Engine compartment main fuse panel - PCB Block

Fuse Name		Fuse rating	Protected Component
FUSE	[2] VACUUM PUMP	10A	[G4KH/G4FJ] Vacuum Pump, Vacuum Switch
	[3] ECU	10A	PCM/ECM
	[1] POWER OUTLET	20A	Front Cigarette Lighter & Power Outlet #2
	FUEL PUMP	20A	Fuel Pump Relay
	HORN	20A	Horn Relay, ICM Relay Box (Burglar Alarm Horn Relay)
	WIPER	30A	Front Wiper (Low) Relay, Front Wiper (High) Relay
	[2] TCU	15A	Transmission Range Switch, TCM (G4FJ-DCT)
	[3] ABS	10A	ESC Module
	[2] POWER OUTLET	20A	Rear Power Outlet
	B/UP LAMP	10A	Transmission Range Switch, PCM (G4KJ/G4KH-A/T), TCM (G4FJ-DCT), Electro Chromic Mirror, Rear Combination Lamp (IN) LH/RH
	[1] SENSOR	15A	Oxygen Sensor (Up/Down)
	[2] SENSOR	15A	Purge Control Solenoid Valve, Canister Close Valve, RCV Control Solenoid Valve, Fuel Pump Relay, E/R Junction Block (Cooling Fan High Relay, Fuel Pump Relay), [G4KJ/G4KH] Variable Intake Solenoid Valve, Oil Control Valve (Exhaust), [G4FJ] Oil Control Valve #1/#2 (Intake/Exhaust)
	[1] ECU	10A	PCM/ECM
	[1] TCU	10A	PCM (G4KJ/G4KH-A/T), TCM (G4FJ-DCT)
	[1] ECU	10A	PCM/ECM
	IGN COIL	20A	Ignition Coil #1/#2/#3/#4
	INJECTOR	15A	Not Used
	AMS	10A	Battery Sensor

DEP
DEALER ePROCESS

LIGHT BULBS

Consult an authorized HYUNDAI dealer to replace most vehicle light bulbs. It is difficult to replace vehicle light bulbs because other parts of the vehicle must be removed before you can get to the bulb. This is especially true for removing the headlamp assembly to get to the bulb(s).

Removing/installing the headlamp assembly can result in damage to the vehicle.

Information

After heavy driving, rain or washing, headlamp and trunk lenses could appear frosty. This condition is caused by the temperature difference between the lamp inside and the outside temperature. This is similar to the condensation on your windows inside your vehicle during the rain and doesn't indicate a problem with your vehicle. If the water leaks into the lamp bulb circuitry, have your vehicle checked by an authorized HYUNDAI dealer.

- Desiccant (if equipped)

This vehicle is equipped with desiccant to reduce fogging inside the headlamp due to moisture.

The desiccant is consumable and its performance may change based on the used period or environment.

If fogging inside the headlamp due to moisture continues for a long time, we recommend that you consult an authorized HYUNDAI dealer. After inspection, you may receive proper service according to the warranty policy.

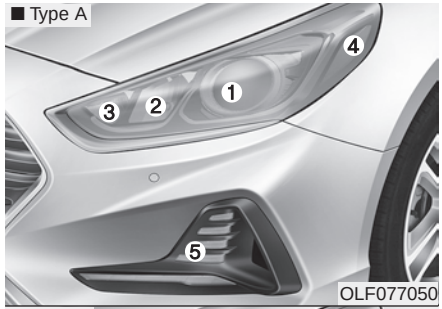
⚠ WARNING

- **Prior to replacing a lamp, depress the foot brake, move the shift lever into P (Park) apply the parking brake, place the igntion switch to the LOCK/OFF position, and take the key with you when leaving the vehicle to avoid sudden movement of the vehicle and to prevent possible electric shock.**
- **Be aware the bulbs may be hot and may burn your fingers.**

DEP DEALER ePROCESS

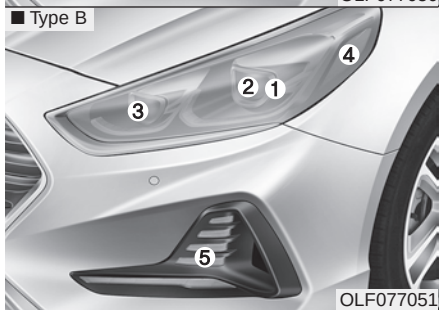
Headlamp, Parking Lamp, Turn Signal Lamp and Side Marker Light Bulb Replacement

■ Type A



OLF077050

■ Type B



OLF077051

(1) Headlamp (Low)
(2) Headlamp (High)
(3) Turn signal lamp
(4) Front side marker
(5) Daytime running lamp/ Parking lamp



OLMB073042L

Headlamp (Halogen bulb)

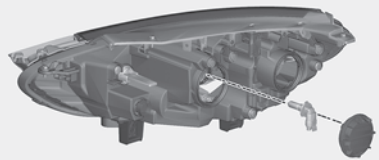
⚠ WARNING

- **Handle halogen bulbs with care. Halogen bulbs contain pressurized gas that will produce flying pieces of glass that could cause injuries if broken.**
- **Wear eye protection when changing a bulb. Allow the bulb to cool down before handling it.**

DEP DEALER ePROCESS

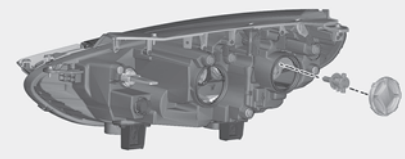
- Always handle them carefully, and avoid scratches and abrasions. If the bulbs are lit, avoid contact with liquids.
- Never touch the glass with bare hands. Residual oil may cause the bulb to overheat and burst when lit.
- A bulb should be operated only when installed in a headlamp.
- If a bulb becomes damaged or cracked, replace it immediately and carefully dispose of it.

■ High beam



OLF077070

■ Low beam



OLF077069

1. Open the hood.
2. Disconnect the negative battery cable.
3. Remove the headlamp bulb cover by turning it counterclockwise.
4. Disconnect the headlamp bulb socket-connector.
5. Unsnap the headlamp bulb retaining wire by pressing the end and pushing it upward.
6. Remove the bulb from the headlamp assembly.
7. Install a new headlamp bulb and snap the headlamp bulb retaining wire into position by aligning the wire with the groove on the bulb.
8. Connect the headlamp bulb socket-connector.
9. Install the headlamp bulb cover by turning it clockwise.

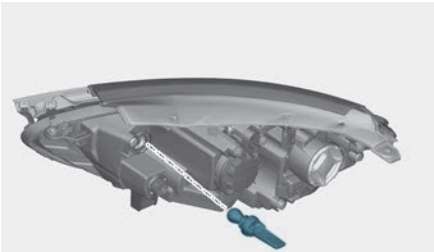
Information

The headlamp aiming should be adjusted after an accident or after the headlamp assembly is reinstalled at an authorized HYUNDAI dealer.

Headlamp (LED type)

If the LED lamp does not operate, we recommend that the system be checked by an authorized HYUNDAI dealer.

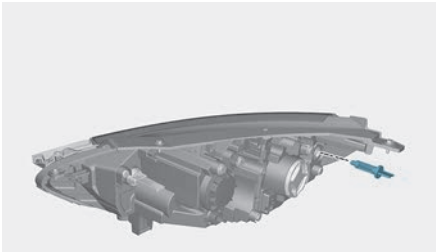
DEP DEALER ePROCESS



OLF077052N

Turn signal lamp

1. Open the hood.
2. Disconnect the negative battery cable.
3. Remove the socket from the assembly by turning the socket counterclockwise until the tabs on the socket align with the slots on the assembly.
4. Remove the bulb from the socket by pressing it in and rotating it counterclockwise until the tabs on the bulb align with the slots in the socket. Pull the bulb out of the socket.
5. Insert a new bulb by inserting it into the socket and rotating it until it locks into place.
6. Install the socket in the assembly by aligning the tabs on the socket with the slots in the assembly.
7. Push the socket into the assembly and turn the socket clockwise.



OLF077074

Side marker

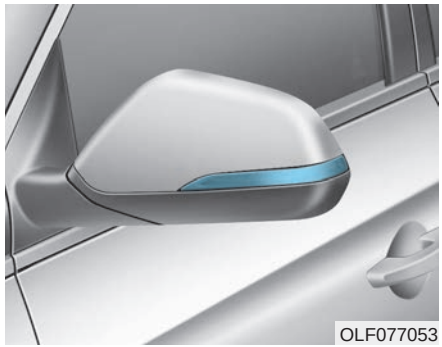
1. Open the hood.
2. Disconnect the negative battery cable.
3. Remove the socket from the assembly by turning the socket counterclockwise until the tabs on the socket align with the slots on the assembly.
4. Remove the bulb from the socket by pulling out the bulb.
5. Insert a new bulb.

DEP
DEALER ePROCESS

Daytime running lamp/ Parking lamp

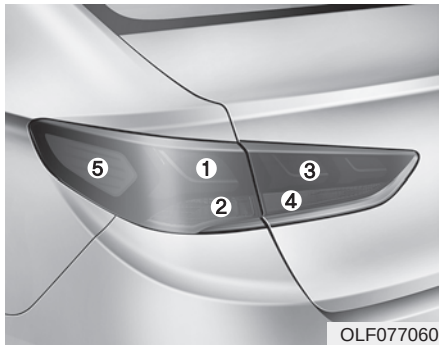
If the LED lamp does not operate, have the vehicle checked by an authorized HYUNDAI dealer.

Side Repeater Lamp Replacement


OLF077053

If the LED lamp does not operate, have the vehicle checked by an authorized HYUNDAI dealer.

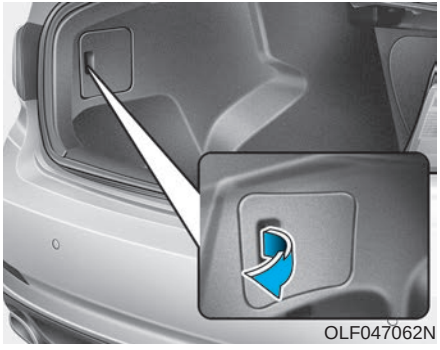
Rear Combination Light Bulb Replacement



OLF077060

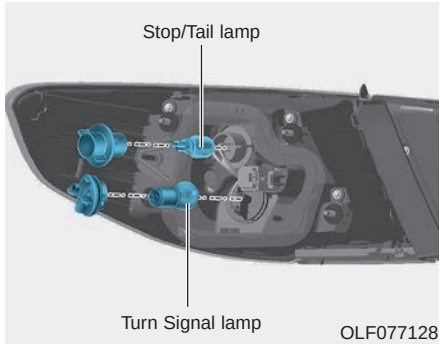
(1) Stop/Tail lamp
(2) Turn signal lamp
(3) Tail lamp
(4) Back-up lamp
(5) Rear side marker (LED) (if equipped)

DEP DEALER ePROCESS


OLF047062N

Stop/Tail lamp and Turn signal lamp (Bulb type)

1. Open the trunk lid.
2. Remove the service cover by pulling it out.



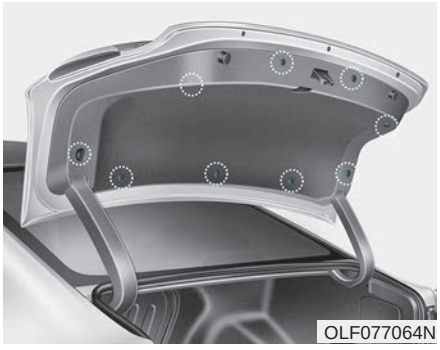
OLF077128

3. Remove the socket from the assembly by turning the socket counterclockwise until the tabs on the socket align with the slots on the assembly.
4. Remove the bulb from the socket by pressing it in and rotating it counterclockwise until the tabs on the bulb align with the slots in the socket. Pull the bulb out of the socket.
5. Insert a new bulb by inserting it into the socket and rotating it until it locks into place.
6. Install the socket in the assembly by aligning the tabs on the socket with the slots in the assembly. Push the socket into the assembly and turn the socket clockwise.

Stop/Tail lamp and rear side marker (LED type)

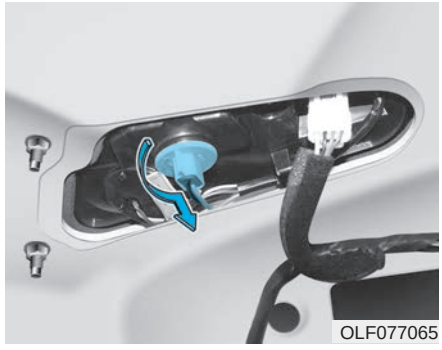
If the LED lamp does not operate, have the vehicle checked by an authorized HYUNDAI dealer.

DEP
DEALER ePROCESS


OLF077064N

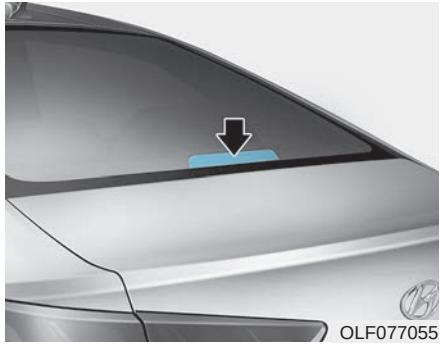
Backup lamp and Tail lamp

1. Open the trunk.
2. Loosen the retaining screw of the trunk lid cover and then remove the cover.
3. Disconnect the connector and then remove the screws by turning the screws counterclockwise.


OLF077065

4. Remove the bulb by pulling it straight out.
5. Insert a new bulb by inserting it into the socket and rotating it until it locks into place.
6. Install the socket into the assembly by aligning the tabs on the socket with the slots in the assembly. Push the socket into the assembly and turn the socket clockwise.
7. Reinstall the trunk lid cover by pushing in the screw.

High Mounted Stop Lamp

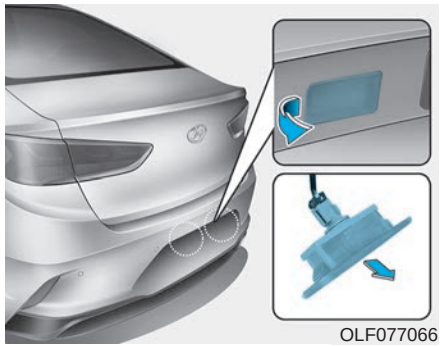

OLF077055

1. Remove the rear seat cushion assembly.
2. Remove the rear seat back assembly.
3. Slightly remove the rear door weather-strip.
4. Remove the rear door scuff trim.
5. Remove the rear pillar trim.
6. Remove the rear seat belt lower anchor.

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7. Remove the rear package tray trim.
8. Remove the high mounted stop lamp after disengaging the mounting clip.
9. Install a new LED lamp.

License Plate Light Bulb Replacement


OLF077066

1. Loosen the lens retaining screws with a philips head screwdriver.
2. Remove the lens.
3. Remove the bulb by pulling it straight out.
4. Install a new bulb.
5. Reinstall the lens securely with the lens retaining screws.

Interior Light Bulb Replacement

Map lamp and Room lamp

■ Map lamp - with sunroof


OLF076080N

■ Room lamp - with sunroof

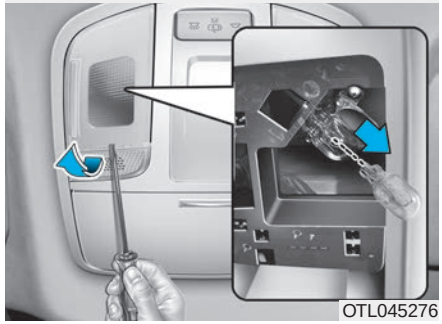

OLF077071

If the LED lamp does not operate, have the vehicle checked by an authorized HYUNDAI dealer.

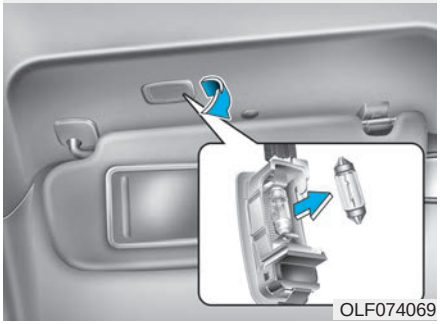
DEP
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Map lamp, Room lamp, Vanity mirror lamp and Luggage room lamp

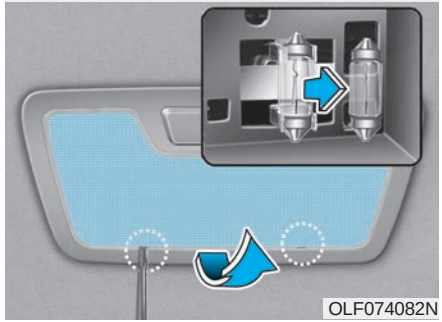
■ Map lamp - without sunroof



■ Vanity mirror lamp



■ Room lamp - without sunroof



■ Trunk room lamp



1. Using a flat-head screwdriver, gently pry the lens from the interior light housing.
2. Remove the bulb by pulling it straight out.
3. Install a new bulb in the socket.
4. Align the lens tabs with the interior light housing notches and snap the lens into place.

If the lamps do not operating, have the vehicle checked by an authorized HYUNDAI dealer.

NOTICE

Use care not to dirty or damage lenses, lens tabs, and plastic housings.

DEP
DEALER ePROCESS

APPEARANCE CARE

Exterior Care

Exterior general caution

It is very important to follow the label directions when using any chemical cleaner or polish. Read all warning and caution statements that appear on the label.

High-pressure washing

- When using high-pressure washers, make sure to maintain sufficient distance from the vehicle. Insufficient clearance or excessive pressure can lead to component damage or water penetration.
- Do not spray the camera, sensors or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.
- Do not bring the nozzle tip close to boots (rubber or plastic covers)or connectors as they may be damaged if they come into contact with high pressure water.

Finish maintenance

Washing

To help protect your vehicle's finish from rust and deterioration, wash it thoroughly and frequently at least once a month with lukewarm or cold water.

If you use your vehicle for off-road driving, you should wash it after each off-road trip. Pay special attention to the removal of any accumulation of salt, dirt, mud, and other foreign materials. Make sure the drain holes in the lower edges of the doors and rocker panels are kept clear and clean.

Insects, tar, tree sap, bird droppings, industrial pollution and similar deposits can damage your vehicle's finish if not removed immediately.

Even prompt washing with plain water may not completely remove all these deposits. A mild soap, safe for use on painted surfaces, should be used.

After washing, rinse the vehicle thoroughly with lukewarm or cold water. Do not allow soap to dry on the finish.

⚠ WARNING

After washing the vehicle, test the brakes while driving slowly to see if they have been affected by water before getting on the road. If braking performance is impaired, dry the brakes by applying them lightly while maintaining a slow forward speed.

DEP
DEALER ePROCESS

⚠ CAUTION

- **Do not use strong soap, chemical detergents or hot water, and do not wash the vehicle in direct sunlight or when the body of the vehicle is warm.**
- **Be careful when washing the side windows of your vehicle.**

 Especially, with high-pressure water, water may leak through the windows and wet the interior.
- **To prevent damage to the plastic parts, do not clean with chemical solvents or strong detergents.**


OLMB073082

⚠ CAUTION

- **Water washing in the engine compartment including high pressure water washing may cause the failure of electrical circuits located in the engine compartment.**
- **Never allow water or other liquids to come in contact with electrical/electronic components inside the vehicle as this may damage them.**

Waxing

A good coat of wax is a barrier between your paint and contaminate. Keeping a good coat of wax on your vehicle will help protect it.

Wax the vehicle when water will no longer bead on the paint.

Always wash and dry the vehicle before waxing. Use a good quality liquid or paste wax, and follow the manufacturer's instructions. Wax all metal trim to protect it and to maintain its luster.

Removing oil, tar, and similar materials with a spot remover will usually strip the wax from the finish. Be sure to re-wax these areas even if the rest of the vehicle does not yet need waxing.

DEP DEALER ePROCESS

⚠ CAUTION

- **Wiping dust or dirt off the body with a dry cloth will scratch the finish.**
- **Do not use steel wool, abrasive cleaners, or strong detergents containing highly alkaline or caustic agents on chrome-plated or anodized aluminum parts. This may result in damage to the protective coating and cause discoloration or paint deterioration.**

Finish damage repair

Deep scratches or stone chips in the painted surface must be repaired promptly. Exposed metal will quickly rust and may develop into a major repair expense.

NOTICE

If your vehicle is damaged and requires any metal repair or replacement, be sure the body shop applies anti-corrosion materials to the parts repaired or replaced.

Bright-metal maintenance

- To remove road tar and insects, use a tar remover, not a scraper or other sharp object.
- To protect the surfaces of bright-metal parts from corrosion, apply a coating of wax or chrome preservative and rub to a high luster.
- During winter weather or in coastal areas, cover the bright metal parts with a heavier coating of wax or preservative. If necessary, coat the parts with non-corrosive petroleum jelly or other protective compound.

Underbody maintenance

Corrosive materials used for ice and snow removal and dust control may collect on the underbody. If these materials are not removed, accelerated rusting can occur on underbody parts such as the fuel lines, frame, floor pan and exhaust system, even though they have been treated with rust protection.

DEP
DEALER ePROCESS

Thoroughly flush the vehicle underbody and wheel openings with lukewarm or cold water once a month, after off-road driving and at the end of each winter. Pay special attention to these areas because it is difficult to see all the mud and dirt. It will do more harm than good to wet down the road grime without removing it. The lower edges of doors, rocker panels, and frame members have drain holes that should not be allowed to clog with dirt; trapped water in these areas can cause rusting.

⚠ WARNING

After washing the vehicle, test the brakes while driving slowly to see if they have been affected by water. If braking performance is impaired, dry the brakes by applying them lightly while maintaining a slow forward speed.

Aluminum wheel maintenance

The aluminum wheels are coated with a clear protective finish.

⚠ CAUTION

- **Do not use abrasive cleaner, polishing compound, solvent, or wire brushes on aluminum wheels.**
- **Clean the wheel when it has cooled.**
- **Use only a mild soap or neutral detergent, and rinse thoroughly with water. Also, clean the wheels after driving on salted roads.**
- **Do not wash the wheels with high-speed car wash brushes.**
- **Do not use any cleaners containing acid or alkaline detergents.**

Corrosion protection

Protecting your vehicle from corrosion

By using the most advanced design and construction practices to combat corrosion, HYUNDAI produces cars of the highest quality. However, this is only part of the job. To achieve the long-term corrosion resistance your vehicle can deliver, the owner's cooperation and assistance is also required.

Common causes of corrosion

The most common causes of corrosion on your vehicle are:

- Road salt, dirt and moisture that is allowed to accumulate underneath the vehicle.
- Removal of paint or protective coatings by stones, gravel, abrasion or minor scrapes and dents which leave unprotected metal exposed to corrosion.

DEP DEALER ePROCESS

High-corrosion areas

If you live in an area where your vehicle is regularly exposed to corrosive materials, corrosion protection is particularly important. Some of the common causes of accelerated corrosion are road salts, dust control chemicals, ocean air and industrial pollution.

Moisture breeds corrosion

Moisture creates the conditions in which corrosion is most likely to occur. For example, corrosion is accelerated by high humidity, particularly when temperatures are just above freezing. In such conditions, the corrosive material is kept in contact with the car surfaces by moisture that is slow to evaporate.

Mud is particularly corrosive because it is slow to dry and holds moisture in contact with the vehicle. Although the mud appears to be dry, it can still retain the moisture and promote corrosion.

High temperatures can also accelerate corrosion of parts that are not properly ventilated so the moisture can be dispersed. For all these reasons, it is particularly important to keep your vehicle clean and free of mud or accumulations of other materials. This applies not only to the visible surfaces but particularly to the underside of the vehicle.

To help prevent corrosion

Keep your car clean

The best way to prevent corrosion is to keep your vehicle clean and free of corrosive materials. Attention to the underside of the vehicle is particularly important.

- If you live in a high-corrosion area — where road salts are used, near the ocean, areas with industrial pollution, acid rain, etc.—, you should take extra care to prevent corrosion. In winter, hose off the underside of your vehicle at least once a month and be sure to clean the underside thoroughly when winter is over.

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DEALER ePROCESS

- When cleaning underneath the vehicle, pay particular attention to the components under the fenders and other areas that are hidden from view. Do a thorough job; just dampening the accumulated mud rather than washing it away will accelerate corrosion rather than prevent it. Water under high pressure and steam are particularly effective in removing accumulated mud and corrosive materials.
- When cleaning lower door panels, rocker panels and frame members, be sure that drain holes are kept open so that moisture can escape and not be trapped inside to accelerate corrosion.

Keep your garage dry

Don't park your car in a damp, poorly ventilated garage. This creates a favorable environment for corrosion. This is particularly true if you wash your vehicle in the garage or drive it into the garage when it is still wet or covered with snow, ice or mud. Even a heated garage can contribute to corrosion unless it is well ventilated so moisture is dispersed.

Keep paint and trim in good condition

Scratches or chips in the finish should be covered with "touch-up" paint as soon as possible to reduce the possibility of corrosion. If bare metal is showing through, the attention of a qualified body and paint shop is recommended.

Bird droppings are highly corrosive and may damage painted surfaces in just a few hours. Always remove bird droppings as soon as possible.

Interior Care

Interior general precautions

Prevent caustic solutions such as perfume and cosmetic oil, from contacting the interior parts because they may cause damage or discoloration. If they do contact the interior parts, wipe them off immediately. See the instructions for the proper way to clean vinyl.

⚠ CAUTION

- **Never allow water or other liquids to come in contact with electrical/electronic components inside the vehicle as this may damage them.**
- **When cleaning leather products (steering wheel, seats etc.), use neutral detergents or low alcohol content solutions. If you use high alcohol content solutions or acid/alkaline detergents, the color of the leather may fade or the surface may get stripped off.**

DEP DEALER ePROCESS

Cleaning the upholstery and interior trim

Vinyl (if equipped)

Remove dust and loose dirt from vinyl with a whisk broom or vacuum cleaner. Clean vinyl surfaces with a vinyl cleaner.

Fabric (if equipped)

Remove dust and loose dirt from fabric with a whisk broom or vacuum cleaner. Clean with a mild soap solution recommended for upholstery or carpets. Remove fresh spots immediately with a fabric spot cleaner. If fresh spots do not receive immediate attention, the fabric can be stained and its color can be affected. Also, its fire-resistant properties can be reduced if the material is not properly maintained.

⚠ CAUTION

Using anything but recommended cleaners and procedures may affect the fabric's appearance and fire-resistant properties.

Leather (if equipped)

- Feature of Seat Leather
 - Leather is made from the outer skin of an animal, which goes through a special process to be available for us. Since it is a natural object, each part differs in thickness or density. Wrinkles may appear as a natural result of stretching and shrinking depending on the temperature and humidity.
 - The seat is made of stretchable fabric to improve comfort.
 - The parts contacting the body are curved and the side supporting area is high which provides driving comfort and stability.
 - Wrinkles may appear naturally from usage. It is not a fault of the product.

⚠ CAUTION

- **Wrinkles or abrasions which appear naturally from usage are not covered by warranty.**
- **Belts with metallic accessories, zippers or keys inside the back pocket may damage the seat fabric.**
- **Make sure not to wet the seat. It may change the nature of natural leather.**
- **Jeans or clothes which could bleach may contaminate the surface of the seat covering fabric.**

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- Caring for the leather seats
 - Vacuum the seat periodically to remove dust and sand on the seat. It will prevent abrasion or damage of the leather and maintain its quality.
 - Wipe the natural leather seat cover often with dry or soft cloth.
 - Use of proper leather protective may prevent abrasion of the cover and helps maintain the color. Be sure to read the instructions and consult a specialist when using leather coating or protective agents.
 - Light colored (beige, cream beige) leather is easily contaminated and the stain is noticeable. Clean the seats frequently.
 - Avoid wiping with wet cloth. It may cause the surface to crack.

- Cleaning the leather seats
 - Remove all contaminations instantly. Refer to instructions below for removal of each contaminant.
 - Cosmetic products (sunscreen, foundation, etc.)

 Apply cleansing cream on a cloth and wipe the contaminated spot. Wipe off the cream with a wet cloth and remove water with a dry cloth.
 - Beverages(coffee, soft drink, etc.)

 Apply a small amount of neutral detergent and wipe until contaminations do not smear.
 - Oil

 Remove oil instantly with absorbable cloth and wipe with stain remover used only for natural leather.
 - Chewing gum

 Harden the gum with ice and remove gradually.

Cleaning the seat belt webbing

Clean the belt webbing with any mild soap solution recommended for cleaning upholstery or carpet. Follow the instructions provided with the soap. Do not bleach or re-dye the webbing because this may weaken the seat belt.

Cleaning the interior window glass

If the interior glass surfaces of the vehicle become fogged (that is, covered with an oily, greasy or waxy film), they should be cleaned with glass cleaner. Follow the directions on the glass cleaner container.

⚠ CAUTION

Do not scrape or scratch the inside of the rear window. This may result in damage to the rear window defroster grid.

DEP DEALER ePROCESS

EMISSION CONTROL SYSTEM

The emission control system of your vehicle is covered by a written limited warranty. Please see the warranty information contained in the Owner's Handbook & Warranty Information booklet in your vehicle.

Your vehicle is equipped with an emission control system to meet all applicable emission regulations. There are three emission control systems, as follows.

(1) Crankcase emission control system
(2) Evaporative emission control system
(3) Exhaust emission control system

In order to assure the proper function of the emission control systems, it is recommended that you have your vehicle inspected and maintained by an authorized HYUNDAI dealer in accordance with the maintenance schedule in this manual.

⚠ CAUTION

For the Inspection and Maintenance Test (With Electronic Stability Control (ESC) system)

- **To prevent the vehicle from misfiring during dynamometer testing, turn the Electronic Stability Control (ESC) system off by pressing the ESC switch (ESC OFF light illuminated).**
- **After dynamometer testing is completed, turn the ESC system back on by pressing the ESC switch again.**

1. Crankcase Emission Control System

The positive crankcase ventilation system is employed to prevent air pollution caused by blow-by gases being emitted from the crankcase. This system supplies fresh filtered air to the crankcase through the air intake hose. Inside the crankcase, the fresh air mixes with blow-by gases, which then pass through the PCV valve into the induction system.

2. Evaporative Emission Control System Including Onboard Refueling Vapor Recovery (ORVR)

The Evaporative Emission Control System is designed to prevent fuel vapors from escaping into the atmosphere. The ORVR system is designed to allow the vapors from the fuel tank to be loaded into a canister while refueling at the gas station, preventing the escape of fuel vapors into the atmosphere.

DEP DEALER ePROCESS

Canister

Fuel vapors generated inside the fuel tank are absorbed and stored in the onboard canister. When the engine is running, the fuel vapors absorbed in the canister are drawn into the surge tank through the purge control solenoid valve.

Purge Control Solenoid Valve (PCSV)

The purge control solenoid valve is controlled by the Engine Control Module (ECM); when the engine coolant temperature is low during idling, the PCSV closes so that evaporated fuel is not taken into the engine. After the engine warms-up during ordinary driving, the PCSV opens to introduce evaporated fuel to the engine.

3. Exhaust Emission Control System

The Exhaust Emission Control System is a highly effective system which controls exhaust emissions while maintaining good vehicle performance.

When the engine starts or fails to start, excessive attempts to restart the engine may cause damage to the emission system.

Vehicle modifications

- This vehicle should not be modified. Modification of your vehicle could affect its performance, safety or durability and may even violate governmental safety and emissions regulations.

 In addition, damage or performance problems resulting from any modification may not be covered under warranty.
- If you use unauthorized electronic devices, it may cause the vehicle to operate abnormally, wire damage, battery discharge and fire. For your safety, do not use unauthorized electronic devices.

Engine exhaust (carbon monoxide) precautions

- Carbon monoxide can be present with other exhaust fumes. If you smell exhaust fumes of any kind in your vehicle, drive with all the windows fully open. Have your vehicle checked and repaired immediately.

⚠ WARNING

Engine exhaust gases contain carbon monoxide (CO). Though colorless and odorless, it is dangerous and could be lethal if inhaled. Follow the instructions on this page to avoid CO poisoning.

DEP DEALER ePROCESS

⚠ WARNING

CALIFORNIA PROPOSITION 65 WARNING

Engine exhaust and a wide variety of automobile components and parts, including components found in the interior furnishings in a vehicle, contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Do not operate the engine in confined or closed areas (such as garages) any more than what is necessary to move the vehicle in or out of the area.
- When the vehicle is stopped in an open area for more than a short time with the engine running, adjust the ventilation system (as needed) to draw outside air into the vehicle.
- Never sit in a parked or stopped vehicle for any extended time with the engine running.
- When the engine stalls or fails to start, excessive attempts to restart the engine may cause damage to the emission control system.

Operating precautions for catalytic converters (if equipped)

⚠ WARNING

The exhaust system and catalytic converter are very hot during and immediately after the engine has been running. To avoid SERIOUS INJURY or DEATH:

- **Do not park, idle, or drive the vehicle over or near flammable objects, such as grass, vegetation, paper, leaves, etc. A hot exhaust system can ignite flammable items under your vehicle.**
- **Keep away from the exhaust system and catalytic converter or you may get burned.**

 Also, Do not remove the heat sink around the exhaust system, do not seal the bottom of the vehicle, and do not coat the vehicle for corrosion control. It may present a fire risk under certain conditions.

DEP
DEALER ePROCESS

Your vehicle is equipped with a catalytic converter emission control device.

To prevent damage to the catalytic converter and to your vehicle, take the following precautions:

⚠ CAUTION

- **Use only UNLEADED FUEL for gasoline engines.**
- **Do not operate the vehicle when there are signs of engine malfunction, such as misfire or a noticeable loss of performance.**
- **Do not misuse or abuse the engine. Examples of misuse are coasting with the engine off and descending steep grades in gear with the engine off.**
- **Do not operate the engine at high idle speed for extended periods (5 minutes or more).**

(Continued)

(Continued)

- **Do not modify or tamper with any part of the engine or emission control system. All inspections and adjustments must be made by an authorized HYUNDAI dealer.**
- **Avoid driving with an extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the catalytic converter.**

DEP DEALER ePROCESS

CALIFORNIA PERCHLORATE NOTICE

Perchlorate Material-special handling may apply, See: www.dtsc.ca.gov/hazardouswaste/perchlorate.

Notice to California Vehicle Dismantlers:

Perchlorate containing materials, such as air bag inflators, seatbelt pretensioners and keyless remote entry batteries, must be disposed of according to Title 22 California Code of Regulations Section 67384.10 (a).

DEP
DEALER ePROCESS

Specifications, Consumer information and Reporting safety defects

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DIMENSIONS

Items		in (mm)
Overall length		191.1 (4,855)
Overall width		73.4 (1,865)
Overall height		58.1 (1,475)
Front tread	205/65R16	63.5 (1,614)
	215/55R17	63.1 (1,602)
	235/45R18	62.9 (1,597)
Rear tread	205/65R16	63.8 (1,621)
	215/55R17	63.3 (1,609)
	235/45R18	63.1 (1,604)
Wheelbase		110.4 (2,805)

ENGINE

Items	1.6 T-GDI	2.0 T-GDI	2.4 GDI
Displacement cu. in (cc)	97.09 (1,591)	121.92 (1,998)	143.96 (2,359)
Bore x Stroke in. (mm)	3.03x3.36 (77x85.4)	3.39x3.39 (86x86)	3.46x3.82 (88x97)
Firing order	1-3-4-2	1-3-4-2	1-3-4-2
No. of cylinders	4, In-line	4, In-line	4, In-line

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BULB WATTAGE

Light Bulb				Bulb type	Wattage
Front	Headlamps	Low		HB3	60
		High		HB3	60
		Low/High		LED	LED
	Turn signal lamps	Front		PY28/8W	28
		Outside rearview mirror		LED	LED
	Position lamps		Bulb type	PY28/8W	8
			LED type	LED	LED
	Front side marker			W5W	5
	Daytime running light (DRL)		Bulb type	P28/8W	28
			LED type	LED	LED
Rear	Rear combination lamp	Stop/Tail lamps	Bulb type	P28/8W	28/8
			LED type	LED	LED
		Tail lamps		P28/8W	8
		Turn signal lamps		PY27W	27
		Back-up lamps		W16W	16
	License plate light			W5W	5
	High mounted stop lamp			LED	LED

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(Continued)

Light Bulb			Bulb type	Wattage
Interior	Map lamp		FESTOON	10
	Room lamp	With sunroof	LED	LED
		Without sunroof	FESTOON	10
	Luggage room lamp		FESTOON	5
	Glove box lamp		FESTOON	5
	Vanity mirror lamp		FESTOON	5

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TIRES AND WHEELS

Items	Tire Size	Wheel Size	Inflation pressure kPa (psi)				Wheel lug nut torque kgf·m (lbf·ft, N.m)
			Normal Load		Maximum Load		
			Front	Rear	Front	Rear	
Full size tire	205/65R16	6.5JX16	235 (34)	235 (34)	235 (34)	235 (34)	11~13 (79~94, 107~127)
	215/55R17	7.0JX17	235 (34)	235 (34)	235 (34)	235 (34)	
	235/45R18	7.5JX18	235 (34)	235 (34)	235 (34)	235 (34)	
Compact spare tire (if equipped)	T125/80D16	4.0TX16	420 (60)	420 (60)	420 (60)	420 (60)	
	T135/80D17	4.0TX17	420 (60)	420 (60)	420 (60)	420 (60)	

If your vehicle is not equipped with a compact spare tire, your vehicle will be equipped with a Tire Mobility Kit.

⚠ CAUTION

When replacing tires, use the same size originally supplied with the vehicle.
Using tires of a different size can damage the related parts or not work properly.

NOTICE

- **It is permissible to add 3 psi to the standard tire pressure specification if colder temperatures are expected soon.**

 Tires typically loose 1psi (7kPa) for every 12°F temperature drop. If extreme temperature variations are expected, recheck your tire pressure as necessary to keep them properly inflated.
- **An air pressure generally decreases, as you drive up to a high-altitude area above sea level. Thus, if you plan to drive a high-altitude area, check the tire pressures in advance. If necessary, inflate them to a proper level. (Air inflation per altitude : +2.4 psi/1 mile)**

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VOLUME AND WEIGHT

Items	1.6 T-GDI	2.0 T-GDI	2.4 GDI
Gross vehicle weight lbs. (kg)	4321 (1960)	4630 (2100)	4497 (2040)
Luggage volume cu ft (*l*)	16.3 cu ft (462 *l*)		

AIR CONDITIONING SYSTEM

Items		Weight of Volume	Classification
Refrigerant oz. (g)	1.6 T-GDI	16.5±0.88 (470±25)	R-1234yf
	2.0 T-GDI		
	2.4 GDI		
Compressor lubricant oz. (cc)		2.82±0.35 (80±10)	PAG (ND-OIL8)

Contact an authorized HYUNDAI dealer for more details.

DEP DEALER ePROCESS

RECOMMENDED LUBRICANTS AND CAPACITIES

To help achieve proper engine and powertrain performance and durability, use only lubricants of the proper quality. The correct lubricants also help promote engine efficiency that results in improved fuel economy.

Lubricant		Volume	Classification
Engine oil *1 *2 (drain and refill) Recommends 	1.6 T-GDI	4.75 US qt. (4.5 ℓ)	API Service SM*3 or above / ILSAC GF-4 or above / ACEA A5 or above
	2.0 T-GDI	5.07 US qt. (4.8 ℓ)	
	2.4 GDI	5.07 US qt. (4.8 ℓ)	
Automatic transmission fluid		7.50 US qt. (7.1 ℓ)	MICHANG ATF SP-IV / SK ATF SP-IV / NOCA ATF SP-IV / HYUNDAI genuine ATF SP-IV or other brands meeting the above specification approved by Hyundai Motor Co.,
Dual clutch transmission fluid		2.00 US qt. (1.9 ℓ)	API GL-4, SAE 70W HK SYN DCTF 70W (SK) SPIRAX SG GHME 70W DCTF (H.K.SHELL) GS DCTF HD 70W (GS CALTEX) Use the Dual Clutch Fluid approved by HYUNDAI Motor Company. Consult and authorized Hyundai dealer for details.

(Continued)

*1 Refer to the recommended SAE viscosity numbers on the next page.

*2 Engine oils labeled Energy Conserving Oil are now available. Along with other additional benefits, they contribute to fuel economy by reducing the amount of fuel necessary to overcome engine friction. Often, these improvements are difficult to measure in everyday driving, but in a year's time, they can offer significant cost and energy savings.

*3 If the API service SM engine oil is not available in your country, you are able to use API service SL.

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(Continued)

Lubricant		Volume	Classification
Coolant	1.6 T-GDI	7.50 US qt. (7.1 *l*)	Mixture of antifreeze and water (Ethylene glycol base coolant for aluminum radiator)
	2.0 T-GDI	7.92 US qt. (7.5 *l*)	
	2.4 GDI	7.60 US qt. (7.2 *l*)	
Brake fluid		0.7~0.8 US qt. (0.7~0.8 *l*)	FMVSS116 DOT-3 or DOT-4
Fuel		18.5 US gal. (70 *l*)	Unleaded gasoline

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Recommended SAE viscosity number

⚠ CAUTION

Always be sure to clean the area around any filler plug, drain plug, or dipstick before checking or draining any lubricant. This is especially important in dusty or sandy areas and when the vehicle is used on unpaved roads. Cleaning the plug and dipstick areas will prevent dirt and grit from entering the engine and other mechanisms that could be damaged.

Engine oil viscosity (thickness) has an effect on fuel economy and cold weather operating (engine start and engine oil flowability). Lower viscosity engine oils can provide better fuel economy and cold weather performance, however, higher viscosity engine oils are required for satisfactory lubrication in hot weather. Using oils of any viscosity other than those recommended could result in engine damage.

When choosing an oil, consider the range of temperature your vehicle will be operated in before the next oil change. Proceed to select the recommended oil viscosity from the chart.

Temperature Range for SAE Viscosity Numbers

Temperature	°C	-30	-20	-10	0	10	20	30	40	50
	(°F)	-10	0	20	40	60	80	100	120	
Engine Oil (1.6/2.0 T-GDI) *1				20W-50						
				15W-40						
				10W-30						
		5W-30, 5W-40								
Engine Oil (2.4 GDI) *2				10W-30						
		5W-20, 5W-30								

*1 For better fuel economy, it is recommended to use the engine oil of a viscosity grade 5W-30 (API SM / ILSAC GF-4 / ACEA A5 or above). However, if the engine oil is not available in your country, select the proper engine oil using the engine oil viscosity chart.

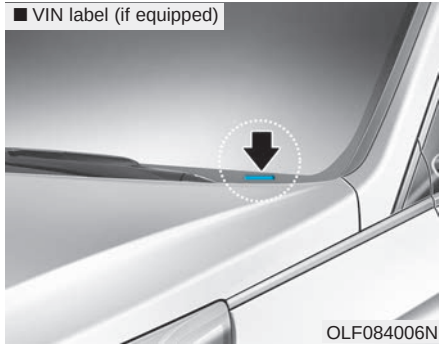
*2 For better fuel economy, it is recommended to use the engine oil of a viscosity grade SAE 5W-20 (API SM / ILSAC GF-4). However, if the engine oil is not available in your country, select the proper engine oil using the engine oil viscosity chart.



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VEHICLE IDENTIFICATION NUMBER (VIN)

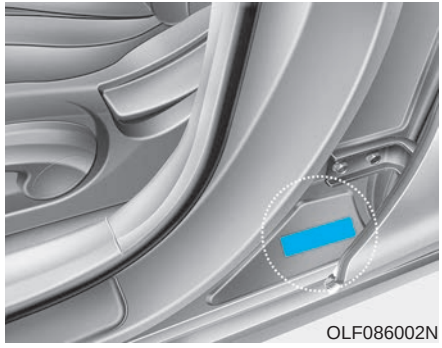
■ VIN label (if equipped)



OLF084006N

The VIN is also on a plate attached to the top of the dashboard. The number on the plate can easily be seen through the windshield from outside.

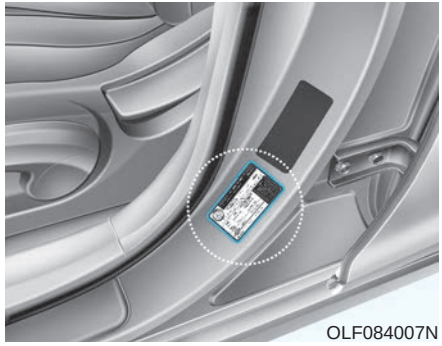
VEHICLE CERTIFICATION LABEL



OLF086002N

The vehicle certification label attached on the driver's side center pillar gives the Vehicle Identification Number (VIN).

TIRE SPECIFICATION AND PRESSURE LABEL



OLF084007N

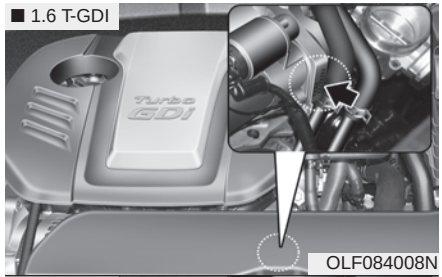
The tires supplied on your new vehicle are chosen to provide the best performance for normal driving.

The tire label located on the driver's side center pillar gives the tire pressures recommended for your car.

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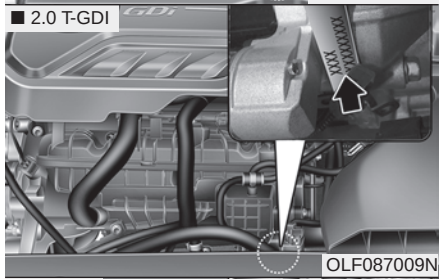
ENGINE NUMBER

■ 1.6 T-GDI



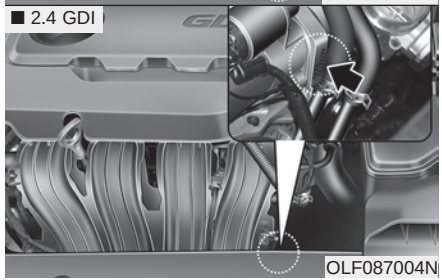
OLF084008N

■ 2.0 T-GDI



OLF087009N

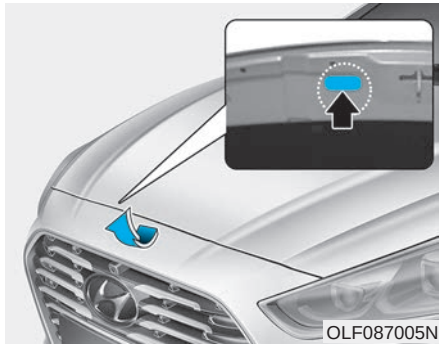
■ 2.4 GDI



OLF087004N

The engine number is stamped on the engine block as shown in the drawing.

REFRIGERANT LABEL (IF EQUIPPED)



OLF087005N

The refrigerant label provides information such as refrigerant type and amount.

The label is located on the underside of the hood.

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CONSUMER INFORMATION

This consumer information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S. Department of Transportation. Your HYUNDAI dealer will help answer any questions you may have as you read this information.

HYUNDAI motor vehicles are designed and manufactured to meet or exceed all applicable safety standards.

For your safety, however, we strongly urge you to read and follow all directions in this Owner's Manual, particularly the information under the headings **"NOTICE", "CAUTION" and "WARNING".**

If, after reading this manual, you have any questions regarding the operation of your vehicle, please contact your nearest HYUNDAI Motor America Regional Office as listed in the following:

Eastern Region:

Connecticut, Delaware, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont.
Eastern Region
1122 Cranbury South River Road
Jamesburg, NJ 08831
(800) 633-5151

Southern Region:

Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia.

Southern Region

3025 Chastain Meadows Parkway Suite 100 Marietta, GA 30066

(800) 633-5151

South Central Region:

Alabama, Arkansas, Louisiana, Mississippi, New Mexico, Oklahoma, Tennessee, Texas.

South Central Region

1421 South Beltline Road, Suite 400 Coppell, TX 75019

(800) 633-5151

Central Region:

Illinois, Indiana, lowa, Kentucky, Michigan, Minnesota, Nebraska, North Dakota, South Dakota, Ohio, Wisconsin, Kansas, Missouri.

Central Region

2 Trans Am Plaza Dr #500 Oakbrook Terrace, IL 60181

(800) 633-5151

Western Region:

Alaska, Hawaii, Arizona, California, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming.

Western Region

10550 Talbert Avenue P.O.Box 20850 Fountain Valley, California 92728-0850

(800) 633-5151

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REPORTING SAFETY DEFECTS

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying HYUNDAI MOTOR AMERICA.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888- 327-4236 (TTY: 1-800-424-9153);

go to http://www.safercar.gov;

download the SaferCar mobile application;

or write to: Administrator, NHTSA
1200 New Jersey Ave, SE,
West Building Washington, D.C. 20590.

You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or HYUNDAI MOTOR AMERICA.

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